

# AASP African American Studies Fall 2017

## AASP100 Introduction to African American Studies

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH, D      General Education: DSHS, DVUP

*Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Shane Walsh<br>MWF 10:00am - 10:50am      | Seats (Total: 35)<br>WDS 1114 |
| 0201 | Shane Walsh<br>MWF 12:00pm - 12:50pm      | Seats (Total: 35)<br>TYD 1101 |
| 0301 | Jonathan England<br>TuTh 9:30am - 10:45am | Seats (Total: 35)<br>LEF 1201 |
| 0401 | Jonathan England<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>HBK 0109 |
| 0501 | Jason Nichols<br>TuTh 11:00am - 12:15pm   | Seats (Total: 35)<br>SYM 0215 |
| 0601 | Jason Nichols<br>TuTh 2:00pm - 3:15pm     | Seats (Total: 35)<br>PLS 1117 |

## AASP100H Introduction to African American Studies

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH, D      General Education: DSHS, DVUP

*Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.*

|      |   |                              |
|------|---|------------------------------|
| 0101 | Jonathan England<br>TuTh 12:30pm - 1:45pm | Seats (Total: 5)<br>HBK 0109 |
|------|---|------------------------------|

**AASP101****Public Policy and the Black Community**

Credits: 3      Grading Method: Regular, Pass-Fail      CORE: SB      General Education: DSHS

*Formerly: AASP300.*

*The impact of public policies on the black community and the role of the policy process in affecting the social, economic and political well-being of minorities. Particular attention given to the post-1960 to present era.*

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|------|------------------------|-------------------|
| 0101 | Alana Hackshaw         | Seats (Total: 40) |
|      | TuTh 11:00am - 12:15pm | SQH 1121          |

**AASP187****The New Jim Crow: African-Americans, Mass Incarceration and the Prison Industrial Complex**

Credits: 3      Grading Method: Regular, Pass-Fail      General Education: DSHS, DVUP, SCIS

*Recommended: AASP100.*

*Students will examine the birth of the racial caste system following the abolition of slavery, the parallels between the racial hierarchy of the Jim Crow system and contemporary mass incarceration, and the rise of the prison industrial complex as a multi-billion business which thrives on the oppression of low-income populations and poor communities of color.*

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|------|----------------------|-------------------|
| 0101 | Joseph Richardson    | Seats (Total: 60) |
|      | TuTh 3:00pm - 4:15pm | TYD 0117          |

**AASP189I****HIV/AIDS in a Global Perspective**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: IE, D      General Education: DSSP, DVUP, SCIS

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Sangeetha Madhavan    | Seats (Total: 60) |
|      | TuTh 9:30am - 10:45am | TYD 0102          |

**AASP200****African Civilization**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO      General Education: DSHU

*A survey of African civilizations from 4500 B.C. to present. Analysis of traditional social systems. Discussion of the impact of European colonization on these civilizations. Analysis of the influence of traditional African social systems on modern African institutions as well as discussion of contemporary processes of Africanization.*

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|------|---------------------|-------------------|
| 0101 | George Kintiba      | Seats (Total: 40) |
|      | MW 12:00pm - 1:15pm | ARC 1103          |

## AASP202

### Black Culture in the United States

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH, D      General Education: DSHS, DVUP

*The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Renina Jarmon          | Seats (Total: 35) |
|      | MWF 11:00am - 11:50am  | TYD 1101          |
| 0102 | Renina Jarmon          | Seats (Total: 35) |
|      | MWF 1:00pm - 1:50pm    | SQH 1107          |
| 0103 | Robert Choflet         | Seats (Total: 35) |
|      | TuTh 11:00am - 12:15pm | ARC 1105          |
| 0104 | Robert Choflet         | Seats (Total: 35) |
|      | TuTh 2:00pm - 3:15pm   | LEF 1201          |

## AASP202H

### Black Culture in the United States

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH, D      General Education: DSHS, DVUP

*The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.*

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|------|------------------------|------------------|
| 0101 | Robert Choflet         | Seats (Total: 8) |
|      | TuTh 11:00am - 12:15pm | ARC 1105         |

## AASP274

### Creative Writing Through The Eyes of African Americans: A Beginning Workshop

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSSP

*Restriction: Must not have completed any courses from ENGL278C, AASP274, AASP298W, ENGL274, ENGL271, ENGL294N, or ENGL294. Also offered as: ENGL274. Credit only granted for: ENGL274, ENGL278C, ENGL294, ENGL294N, AASP274 or AASP298W. Formerly: AASP298W.*

*Introduction to theory and practice of writing fiction, drama and poetry, with an emphasis on African American literary models. Critical reading, exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.*

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|------|-----------------------|-------------------|
| 0101 | Dorothy Phaire        | Seats (Total: 20) |
|      | TuTh 9:30am - 10:45am | NCC 0120          |

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**AASP297      Research Methods in African American Studies**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: AASP101 or AASP202. Restriction: Must be in African American Studies program. Credit only granted for: AASP297 or AASP299R. Formerly: AASP299R.*

*Introduces African American Studies majors to the basic research skills methodologies, sources, and repositories for studying African Diaspora. Students will be required to select a research topic, write a research proposal, develop an annotated bibliography, and in the process will be prepared for completing their senior thesis or other significant writing projects necessary to fulfill the requirements of the major.*

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|------|------------------------|-------------------|
| 0101 | Sharon Harley          | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | TLF 1102          |

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**AASP298B      Special Topics in African American Studies; Construction of Black Manhood and Womanhood in the Black Community**

Credits: 3      Grading Method: Regular,      General Education: DSHS,  
Pass-Fail, Audit      DVUP

*An introductory multi-disciplinary and inter-disciplinary educational experience to explore issues relevant to black life, cultural experiences, and political, economic, and artistic development.*

Also offered as WMST265. Credit only granted for AASP298B or WMST265. Investigates the ways that African Americans are represented and constructed in public and private spheres and explores the social constructions and representations of Black manhood and womanhood from various disciplinary perspectives.

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|------|-------------------|-------------------|
| 0101 | Donnesha Blake    | Seats (Total: 30) |
|      | W 6:00pm - 8:30pm | JMZ 0103          |

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**AASP298C      Special Topics in African American Studies; African-American History to 1865**

Credits: 3      Grading Method: Regular,      General Education: DVUP  
Pass-Fail, Audit

*An introductory multi-disciplinary and inter-disciplinary educational experience to explore issues relevant to black life, cultural experiences, and political, economic, and artistic development.*

Also offered as AASP298C. Credit will be granted for AASP298C or HIST 254.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Christopher Bonner     | Seats (Total: 40) |
|      | TuTh 11:00am - 12:15pm | KEY 0103          |

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**AASP298L      Special Topics in Afro-American Studies: African-American Literature and Culture**

Credits: 3      Grading Method: Regular,      CORE: HL, D      General Education: DSHU,  
Pass-Fail, Audit      DVUP

Also offered as ENGL234. Credit granted for AASP298L or ENGL234.

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|------|-----------------------|-------------------|
| 0201 | Norrell Edwards       | Seats (Total: 30) |
|      | MWF 12:00pm - 12:50pm | JMZ 0208          |

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**AASP298V      Special Topics in African American Studies; The Blues as a Cultural Art Form**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*An introductory multi-disciplinary and inter-disciplinary educational experience to explore issues relevant to black life, cultural experiences, and political, economic, and artistic development.*

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|------|-------------------|-------------------|
| 0101 | Brittney Allen    | Seats (Total: 30) |
|      | W 1:00pm - 4:00pm | NCC 0130          |

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**AASP301      Applied Policy Analysis and the Black Community**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: AASP101; and (ECON201 or ECON200). Recommended: Completion of one semester of statistics is recommended.*

*Development and application of the tools needed for examining the effectiveness of alternative policy options confronting minority communities. Review policy research methods used in forming and evaluating policies. Examination of the policy process.*

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|------|-------------------|-------------------|
| 0101 | Ricco Hall        | Seats (Total: 24) |
|      | W 6:30pm - 9:00pm | TLF 1101          |

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**AASP313      Black Women in United States History**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Sophomore standing or higher. Also offered as: WMST314. Credit only granted for: AASP498W, AASP313, HIST329E, WMST314, or WMST498N. Formerly: AASP498W.*

*Black American women's history is examined from slavery to the present. The principal focus of the readings discussions and student assignments will be based upon gaining a fuller understanding of the effect of race, class and gender on the life cycles and multiple roles of Black women as mothers, daughters, wives, workers and social change agents. A variety of primary source materials on black women's experiences will be utilized.*

Also offered as HIST329E and WMST314. Credit granted for AASP313, WMST314 and HIST329E.

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|------|--------------------|-------------------|
| 0101 | Elsa Barkley Brown | Seats (Total: 35) |
|      | M 6:00pm - 8:30pm  | KEY 0103          |

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**AASP314                      The Civil Rights Movement**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: AASP100 or HIST157.*

*Survey of the twentieth century civil rights movement from the desegregation of UM Law School through the National Black Political Congress in Gary in 1972. Major themes include leadership, legal and constitutional challenges, non-violence, Black Power, and Pan-Africanism.*

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|------|-------------------|-------------------|
| 0101 | Jerry Semper      | Seats (Total: 45) |
|      | W 4:00pm - 6:30pm | SQH 1121          |

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**AASP386                      Experiential Learning**

(Perm req)

Credits: 3-6                      Grading Method: Regular,  
Pass-Fail

*Restriction: Permission of BSOS-African American Studies department; and junior standing or higher.*

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|------|----------------------|-------------------|
| 0101 | Marshal Washington   | Seats (Total: 10) |
|      | Th 10:00am - 12:30pm | ASY 3221          |

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**AASP395                      Fundamentals of Quantitative Research in Socio-Cultural Perspective**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in African American Studies program; and junior standing or higher.*

*Introduction to quantitative methods for African American Studies major in the cultural and social analysis concentration. Basics of survey design and experimental design and data analysis and use of statistical software programs.*

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|------|------------------------|-------------------|
| 0101 | Cecily Hardaway        | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | WDS 1131          |

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**AASP396 Independent Study Non-Thesis Option**

Credits: 3                      Grading Method: Regular

*Prerequisite: AASP386 and AASP297. Restriction: Must be in African American Studies program. Credit only granted for: AASP396 or AASP397.*

*A research seminar that allows African American Studies majors to complete an independent study research project in lieu of completing the AASP397: Senior Thesis. Students will examine various concepts of race, gender, labor and ethnicity in the seminar lecture component to be applied toward their specific research projects.*

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|------|-------------------|-------------------|
| 0101 | Caryn Bell        | Seats (Total: 10) |
|      | W 3:00pm - 5:30pm | TLF 1102          |

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**AASP397 Senior Thesis**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of BSOS-African American Studies department.*

*Directed research in African American Studies resulting in the completion and defense of a senior thesis.*

**Contact department for information to register for this course.**

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**AASP398Q Selected Topics in the African Diaspora; Black Baltimore in the Post Racial U.S: African American Urban Culture in the Age of Obama**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Analysis of the historical experiences and cultures of Africans in the diaspora.*

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|------|--------------------|-------------------|
| 0101 | Robert Choflet     | Seats (Total: 35) |
|      | Th 4:00pm - 6:30pm | TYD 1114          |

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**AASP400 Directed Readings in African American Studies**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: DSHS,  
DVUP

*Prerequisite: AASP202 or AASP100.*

*The readings will be directed by the faculty of African American Studies. Topics to be covered will be chosen to meet the needs and interests of individual students.*

Also offered as WMST498Y. Credit will be granted for one of the following: AASP400, AASP400H, or WMST498Y.

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|------|-----------------------|-------------------|
| 0101 | Sharon Harley         | Seats (Total: 15) |
|      | TuTh 12:30pm - 1:45pm | KEY 0100          |

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**AASP400H      Directed Readings in African American Studies**

(Perm req)                      Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: DSHS,  
DVUP

*Prerequisite: AASP202 or AASP100.*

*The readings will be directed by the faculty of African American Studies. Topics to be covered will be chosen to meet the needs and interests of individual students.*

For general honors students only. The readings will be directed by the faculty of African American Studies. Topics to be covered will be chosen to meet the needs and interests of individual students.

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|------|-----------------------|------------------|
| 0101 | Sharon Harley         | Seats (Total: 5) |
|      | TuTh 12:30pm - 1:45pm | KEY 0100         |

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**AASP478K      Humanities Topics in African American Studies; African-American Literature: 1945 to Present**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Advanced studies in the humanities, often requiring prerequisites, focusing on the literary, artistic and philosophical contributions of Africans and African Americans.*

Also offered as ENGL472. Credit granted for ENGL472 or AASP478K.

**Contact department for information to register for this course.**

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**AASP498O      Special Topics in Black Culture; African American and Latino Social, Cultural and Political Relations: 1940 to Present**

Credits: 3                      Grading Method: Regular



*Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.*

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|------|-------------------|-------------------|
| 0101 | Jason Nichols     | Seats (Total: 35) |
|      | W 4:00pm - 6:30pm | TYD 1118          |

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**AASP498T      Special Topics in Black Culture; Archaeology of Slavery: Classical, Caribbean and North American Contexts**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.*

Also offered as AMST428D, ARCH428L, ARCH628L, ANTH433 and ANTH633. Credit only granted for ANTH433, ANTH633, AMST428D, ARCH428L, ARCH628L, or AASP498T. Has slavery always existed? Does it come and go? North American plantation archaeology has become one of the foundations for understanding African American culture from the 1960s. Slavery in Antiquity existed in Greece and Rome on large scales and was essential to making commercial agriculture profitable work. Slavery in the Caribbean showed Europeans how to make a profit from African bodies. Trafficking in human persons today is recorded by the U.S. State Department annually and is regarded as modern slavery. These varying contexts of slavery will be compared in an attempt to understand slavery scientifically.

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|------|--------------------|-------------------|
| 0101 | Mark Leone         | Seats (Total: 20) |
|      | Tu 2:00pm - 4:45pm | WDS 1130          |

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**AASP499A      Advanced Topics in Public Policy and the Black Community; Reducing Black - White Achievement Gaps**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Examination of specific areas of policy development and evaluation in black and other communities. Application of advanced tools of policy analysis, especially quantitative, statistical and micro-economic analysis.*

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|------|------------------------|-------------------|
| 0101 | Oscar Barbarin         | Seats (Total: 30) |
|      | TuTh 11:00am - 12:15pm | TWS 1320          |

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**AASP499P      Advanced Topics in Public Policy and the Black Community; African-American Politics from Frederick Douglass to Barack Obama**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Examination of specific areas of policy development and evaluation in black and other communities.*  
*Application of advanced tools of policy analysis, especially quantitative, statistical and micro-economic analysis.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Jonathan England   | Seats (Total: 35) |
|      | Tu 3:30pm - 6:15pm | LEF 1201          |

**AAST Asian American Studies Fall 2017**

**AAST200 Introduction to Asian American Studies**

|            |                                       |             |                                  |
|------------|---------------------------------------|-------------|----------------------------------|
| Credits: 3 | Grading Method: Regular,<br>Pass-Fail | CORE: SB, D | General Education: DSHS,<br>DVUP |
|------------|---------------------------------------|-------------|----------------------------------|

*The aggregate experience of Asian Pacific Americans, from developments in the countries of origin to their contemporary issues. The histories of Asian Pacific American groups as well as culture, politics, the media, and stereotypes, viewed from an interdisciplinary perspective.*

Also offered as AMST298C. Credit granted for AAST200 or AMST298C.

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|------|------------------------|-------------------|
| 0101 | Terry Park             | Seats (Total: 40) |
|      | TuTh 11:00am - 12:15pm | SQH 1101          |

**AAST201 Asian American History**

|            |  |             |                                  |
|------------|--|-------------|----------------------------------|
| Credits: 3 | Grading Method: Regular,<br>Pass-Fail, Audit | CORE: SH, D | General Education: DSHS,<br>DVUP |
|------------|--|-------------|----------------------------------|

*Also offered as: HIST221. Credit only granted for: AAST201, HIST219G, HIST219M, or HIST221.*

*Introduction to the history of Asian Americans and Asians in the United States and the Americas and to the field of Asian American Studies, from an interdisciplinary perspective. Topics include theories of race and ethnicity; Asian migration and diaspora to the Americas; Asian American work and labor issues; gender, family, and communities; nationalism and nativism, and anti-Asian movements; Asian Americans in World War II, the Cold War, and the issues in the civil rights & post-civil rights era.*

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|------|----------------------|-------------------|
| 0101 | Terry Park           | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm | SQH 1101          |

**AAST222**      **Immigration and Ethnicity in America**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH, D      General Education: DSHS, DVUP

*Credit only granted for: AAST222 or HIST222.*

*The history of immigration and the development of diverse populations in the United States are examined. Topics include related political controversies, the social experiences of immigrants, ethnicity, generations, migration, inter-group relations, race and diversity in American culture.*

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|------|-----------------------|-------------------|
| 0101 | Julie Park            | Seats (Total: 40) |
|      | TuTh 12:30pm - 1:45pm | SQH 1117          |

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**AAST298A      Special Topics in Asian American Studies; Islam in/and America**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*An introductory multidisciplinary and interdisciplinary educational experience to explore issues relevant to Asian American life, cultural experiences; and political, economic, and artistic development.*

Also offered as AMST298I. Credit granted for AAST298A or AMST298I. Islam in/and America examines the history and presence of Islam in the United States, and the construction and evolution of U.S. Muslim identity, community, and culture. A CIC CourseShare online course and part of the DISC initiative (Digital Islamic Studies Curriculum). The instructor is Sylvia Chan- Malik (American Studies/Women's and Gender Studies/Asian American Studies) at Rutgers University, but you enroll and receive credit for it at Maryland. You will also need to be entered into the University of Michigan Canvas course management system. The course meets twice a week in real time using video conferencing technology. For more information about this course, including textbook information and instructions on enrolling, please contact Prof. Janelle Wong (janellew@umd.edu )

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|------|----------------------|-------------------|
| 0101 | Ilyas Abukar         | Seats (Total: 10) |
|      | TuTh 1:10pm - 2:30pm | HJP 3120          |

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**AAST378      Experiential Learning**

(Perm req)                      Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Field experience/internship in professional organizations and appropriate private and governmental agencies serving the Asian American community.*

|      |   |                  |
|------|---|------------------|
| 0101 | Julie Park                                    | Seats (Total: 2) |
|      | Contact instructor or department for details. |                  |

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**AAST388      Independent Research**

(Perm req)                      Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Directed, independent study in Asian American Studies resulting in the completion of an original research paper.*

|      |   |                  |
|------|---|------------------|
| 0101 | Terry Park                                    | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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**AAST398B      Selected Topics in Asian American Studies; Asian American Social Policy and Community Advocacy**

Credits: 3      Grading Method: Regular,      General Education: DSHU,  
Pass-Fail, Audit      DVUP

*Study of a specific theme or issue involving the Asian America experience.*

Also offered as PLCY359A. Credit granted for AAST398B or PLCY359A. This course focuses on how Asian and Pacific Americans are represented in government and throughout social policies in the United States. The ways in which racial and gender dynamics intersect with migration policy, community development, and other pressing issues is explored.

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|------|----------------------|-------------------|
| 0101 | Tuyet Duong          | Seats (Total: 25) |
|      | TuTh 8:00am - 9:15am | SQH 1107          |

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**AAST398D      Selected Topics in Asian American Studies; Filipino American History and Biography**

Credits: 3      Grading Method: Regular,      General Education: DSHS,  
Pass-Fail, Audit      DVUP

*Study of a specific theme or issue involving the Asian America experience.*

Also offered as AMST328J. Credit granted for AAST398D or AMST328J. Focus is placed on Filipino American experiences with an emphasis on identity, community building and organizing to influence public policy. We will cover pertinent events from the US and Philippine history in order to understand the impact of colonialism, migration, immigration and assimilation on Filipino Americans.

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|------|--------------------|-------------------|
| 0101 | Gemirald Daus      | Seats (Total: 35) |
|      | Tu 5:00pm - 7:45pm | ASY 3207          |

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**AAST398E      Selected Topics in Asian American Studies; Growing Up Asian American: The Asian Immigrant Family and the Second Generation**

Credits: 3      Grading Method: Regular,      General Education: DVCC  
Pass-Fail, Audit

*Study of a specific theme or issue involving the Asian America experience.*

Also offered as AMST328V and IMMR319G. Credit granted for AAST398E or AMST328V or IMMR319G. An interdisciplinary course examines the experiences of children of Asian immigrants in the U.S., focusing on intergenerational dynamics in the Asian immigrant family, their intersections with race, gender, class, sexuality, and religion, and how these shape second-generation Asian American life. Topics include identity and personhood, the model minority myth and education, work and leisure, language and communication, filiality and disownment, mental health and suicide.

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|------|----------------------|-------------------|
| 0101 | Thu Khuc             | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm | ASY 3211          |

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**AAST398F      Selected Topics in Asian American Studies; Introduction to Comparative Ethnic Studies**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Study of a specific theme or issue involving the Asian America experience.*

Also offered as AMST328L. Credit granted for AMST328L or AAST398F.

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|------|-----------------------|-------------------|
| 0101 | Janelle Wong          | Seats (Total: 25) |
|      | MWF 11:00am - 11:50am | JMP 2202          |

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**AAST398L      Selected Topics in Asian American Studies; Asian American Film**

Credits: 3      Grading Method: Regular,      General Education: DSHU,  
Pass-Fail, Audit      DVUP

*Study of a specific theme or issue involving the Asian America experience.*

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|------|--------------------|-------------------|
| 0101 | Thu Khuc           | Seats (Total: 30) |
|      | Th 5:00pm - 7:30pm | TYD 0101          |

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**AAST443      Asian American Politics**

Credits: 3      Grading Method: Regular,      General Education: DSHS,  
Pass-Fail, Audit      DVUP

*Credit only granted for: AAST4898T, AAST443, GVPT368C or AMST 498J. Formerly: AAST 498T.*

*Students will gain a greater understanding of 1)the role of Asian Americans in US politics, 2) the political attitudes and behaviors of Asian Americans and 3)how to conduct research on Asian American politics. Though the class will concentrate on Asian Americans, issues related to Asian American politics will be examined within the larger context of America's multicultural political landscape.*

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|------|--------------------|-------------------|
| 0101 | Janelle Wong       | Seats (Total: 40) |
|      | MW 2:00pm - 3:15pm | SQH 1101          |

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**AAST498D      Advanced Topics in Asian American Studies; Asian American Theatre**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Advanced study of the cultural and historical antecedents of contemporary Asian American society. Emphasis on the social, political, economic, and behavioral factors affecting Asian Americans and their communities.*

Also offered as AAST498D. Credit granted for THET489D or AAST498D.

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|------|------------------------|-------------------|
| 0101 | Esther Lee             | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | PAC 1809          |

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**AAST498I      Advanced Topics in Asian American Studies; Asian American Leadership**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Advanced study of the cultural and historical antecedents of contemporary Asian American society. Emphasis on the social, political, economic, and behavioral factors affecting Asian Americans and their communities.*

Students will be introduced to leadership models and examples specific to Asian American & Pacific Islander communities throughout history and in current times. While the central objective of this course is to develop politically engaged and historically informed leaders and community members for the AAPI campus community, this course is open to anyone who is interested in social justice and learning more about student organizing around identity.

|      |   |                   |
|------|---|-------------------|
| 0101 | Kai Kai Mascarenas                            | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm                        | HBK 0115          |
|      | Contact instructor or department for details. |                   |

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**AAST498J      Advanced Topics in Asian American Studies; Asian American Psychology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Advanced study of the cultural and historical antecedents of contemporary Asian American society. Emphasis on the social, political, economic, and behavioral factors affecting Asian Americans and their communities.*

Also offered as AMST498Q and PSYC489Z. Credit only granted for AAST498J, AMST498Q, or PSYC489Z. This course provides students with an understanding of the ecological influences on Asian American psychological well-being. It begins with the individual, covering topics relating to various social identities pertaining to Asian Americans. Moving outward, it highlights family and peer relationships. At the community and cultural level, the course focuses on the process of migration and acculturation. Finally, it concludes with a discussion of social advocacy, service provisions and cultural competency.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Kieu Anh Do          | Seats (Total: 25) |
|      | TuTh 2:00pm - 3:15pm | JMZ 1215          |

## AAST498M

### Advanced Topics in Asian American Studies; Asian American Public Policy

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DVCC

*Advanced study of the cultural and historical antecedents of contemporary Asian American society. Emphasis on the social, political, economic, and behavioral factors affecting Asian Americans and their communities.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Philip Nash       | Seats (Total: 20) |
|      | M 5:00pm - 7:30pm | SQH 1123          |

## AGNR

## Agriculture and Natural Resources

## Fall 2017

### AGNR200

#### AGNR 2+2 Program Extended Orientation Seminar

Credits: 1      Grading Method: Regular

*Prerequisite: Must be a first semester international student enrolled in the AGNR 2+2 Program. Restriction: Must be a first year international student enrolled in the College of Agriculture and Natural Resources 2+2 Program. Additional information: It is strongly recommended that AGNR 2+2 students take AGNR 200 during the first semester at the University. One class meeting per week. This courses is initiated by International Programs and will be coordinated in conjunction with the College of AGNR.*

*Introduces AGNR 2+2 students to University and "American" life. Assists with their successful transition to the College and Agriculture and Natural Resources and the University of Maryland. Helps students to understand their place in AGNR at to learn about the resources available to them.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Cuiyin Wu         | Seats (Total: 25) |
|      | M 4:00pm - 6:00pm | TWS 1313          |

### AGNR270

#### Technology Training Seminar

Credits: 2-3      Grading Method: Regular

*Restriction: Must be in a major in AGNR-College of Agriculture & Natural Resources; or permission of AGNR-College of Agriculture & Natural Resources. Also offered as: BSCI279. Credit only granted for: AGNR270 or BSCI279.*

*A hands-on training seminar about pedagogical applications of information technology and mastery of several technical skills. Special emphasis is placed on gainfully understanding technological issues such as copyright and intellectual property, accessibility, and usability.*

|      |                     |                  |
|------|---------------------|------------------|
| 0101 | Deborah Mateik      | Seats (Total: 3) |
|      | F 10:00am - 12:30pm | ESJ 2309         |

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**AGNR301****Sustainability**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Also offered as: PUA301. Credit only granted for: AGNR301 or PUA301.*

*Designed for students whose academic majors would be enhanced by the complementary study of a widely shared but hard-to-operationalize aspiration: that present choices should preserve or improve future options rather than foreclose or degrade them. How should we understand sustainability? How might we achieve it? How would we know if we had achieved it? And how could sustainability activists of a rising generation lead by example?*

|      |                       |                    |
|------|-----------------------|--------------------|
| 0101 | Daria Scala           | Seats (Total: 165) |
|      | TuTh 12:30pm - 1:45pm | LEF 2205           |

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**AGNR388****Honors Thesis Research**

(Perm req)

Credits: 3-6                      Grading Method: Regular

*Undergraduate honors thesis research conducted under the direction of an AGNR faculty member in partial fulfillment of the requirements of the College of AGNR Honors Program. The thesis will be defended to a faculty committee.*

|      |   |                  |
|------|---|------------------|
| 0101 | Evelyn Cooper                                 | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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**AGNR489****Field Experience**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Credit according to time scheduled and organization of the course. A lecture series organized to study in depth a selected phase of agriculture not normally associated with one of the existing programs.*



|   |               |                  |
|---|---------------|------------------|
| 0101  | Evelyn Cooper | Seats (Total: 5) |
| Contact instructor or department for details. |               |                  |

**AGNR499**  
(Perm req)

**Special Problems; Special Problems**

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

|   |               |                  |
|---|---------------|------------------|
| 0102  | Evelyn Cooper | Seats (Total: 1) |
| Contact instructor or department for details. |               |                  |

**AMSC**

## Applied Mathematics & Scientific Computation

**Fall 2017**

**AMSC460**  
(Perm req)

**Computational Methods**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH461, MATH341); and 1 course with a minimum grade of C- from (MATH340, MATH241); and 1 course with a minimum grade of C- from (CMSC106, CMSC131). Also offered as: CMSC460. Credit only granted for: AMSC460, CMSC460, AMSC466, or CMSC466.*

*Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Daisy Dahiya           | Seats (Total: 29) |
|      | MWF 11:00am - 11:50am  | MTH 0303          |
| 0201 | Jacob Bedrossian       | Seats (Total: 30) |
|      | MWF 12:00pm - 12:50pm  | MTH 0405          |
| 0301 | Tobias von Petersdorff | Seats (Total: 29) |
|      | MWF 2:00pm - 2:50pm    | MTH 0411          |
| 0401 | Juan Pablo Borthagaray | Seats (Total: 27) |
|      | MWF 11:00am - 11:50am  | MTH 0102          |

**AMSC466**

**Introduction to Numerical Analysis I**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH461, MATH341); and 1 course with a minimum grade of C- from (MATH340, MATH241); and 1 course with a minimum grade of C- from (CMSC106, CMSC131). Also offered as: CMSC466. Credit only granted for: AMSC460, CMSC460, AMSC466, or CMSC466.*

*Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Dionisios Margetis  | Seats (Total: 30) |
|      | MWF 9:00am - 9:50am | MTH 0303          |

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### AMSC498A

#### Selected Topics in Applied Mathematics

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Topics in applied mathematics of special interest to advanced undergraduate students.*

**Contact department for information to register for this course.**

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### AMSC660

#### Scientific Computing I

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: Must have knowledge of C or Fortran. And AMSC460 or CMSC460; or (CMSC466 or AMSC466); or (must have knowledge of basic numerical analysis (linear equations, nonlinear integration, interpolation); and permission of instructor). Also offered as: CMSC660. Credit only granted for: AMSC660 or CMSC660.*

*Monte Carlo simulation, numerical linear algebra, nonlinear systems and continuation method, optimization, ordinary differential equations. Fundamental techniques in scientific computation with an introduction to the theory and software of each topic.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Jacob Bedrossian     | Seats (Total: 28) |
|      | TuTh 2:00pm - 3:15pm | MTH B0425         |

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### AMSC662

#### Computer Organization and Programming for Scientific Computing

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: Must have knowledge of C or Fortran. And AMSC460 or CMSC460; or (CMSC466 or AMSC466); or (must have knowledge of basic numerical analysis (linear equations, nonlinear equations, integration, interpolation); and permission of instructor). Also offered as: CMSC662. Credit only granted for: AMSC662 or CMSC662.*

*This course presents fundamental issues of computer hardware, software, parallel computing, and scientific data management for programming for scientific computation.*

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|------|-----------------------|-------------------|
| 0101 | Pierre-Emmanuel Jabin | Seats (Total: 25) |
|      | MW 5:00pm - 6:15pm    | CSI 4122          |

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**AMSC663      Advanced Scientific Computing I**

(Perm req)

Credits: 3                      Grading Method: Regular

*Prerequisite: CMSC660 or AMSC660; and (CMSC661 or AMSC661). Restriction: Permission of instructor. Also offered as: CMSC663. Credit only granted for: AMSC663 or CMSC663.*

*In the sequence AMSC663, AMSC664 students work on a year-long individual project to develop software for a scientific task in a high performance computing environment. Lectures will be given on available computational environments, code development, implementation of parallel algorithms.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Howard Elman          | Seats (Total: 20) |
|      | TuTh 9:30am - 10:45am | PHY 4222          |

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**AMSC666      Numerical Analysis I**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: CMSC466 or AMSC466; and MATH410. Also offered as: CMSC666. Credit only granted for: AMSC666 or CMSC666.*

*Approximation theory, numerical solution of initial-value problems, iterative methods for linear systems, optimization.*

*[Click here for more course information.](#)*

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|------|----------------------|-------------------|
| 0101 | Eitan Tadmor         | Seats (Total: 25) |
|      | TuTh 2:00pm - 3:15pm | CSI 4122          |

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**AMSC670      Ordinary Differential Equations I**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: MATH405. And MATH410; or students who have taken courses with comparable content may contact the department. Also offered as: MATH670. Credit only granted for: AMSC670 or MATH670.*

*Existence and uniqueness, linear systems usually with Floquet theory for periodic systems, linearization and stability, planar systems usually with Poincare-Bendixson theorem.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Dmitry Dolgopyat      | Seats (Total: 25) |
|      | TuTh 12:30pm - 1:45pm | MTH 0407          |

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## **AMSC673 Partial Differential Equations I**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: MATH411; or students who have taken courses with comparable content may contact the department. Also offered as: MATH673. Credit only granted for: AMSC673 or MATH673.*

*Analysis of boundary value problems for Laplace's equation, initial value problems for the heat and wave equations. Fundamental solutions, maximum principles, energy methods. First order nonlinear PDE, conservation laws. Characteristics, shock formation, weak solutions. Distributions, Fourier transform.*

Offered fall only. Also offered as MATH673.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Konstantina Trivisa    | Seats (Total: 25) |
|      | TuTh 11:00am - 12:15pm | MTH 0307          |

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## **AMSC689 Research Interactions in Applied Mathematics and Scientific Computation**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Audit

*The students participate in a vertically integrated (undergraduate, graduate and/or postdoctoral, faculty) research group. Format varies, but includes regular meetings, readings and presentations of material. See graduate program's online syllabus or contact the graduate program director for more information.*

**Contact department for information to register for this course.**

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## **AMSC714 Numerical Methods For Stationary PDEs**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: Must have completed one semester graduate level course in partial differential equations; or permission of instructor. Recommended: Prior exposure to graduate level PDEs and MATLAB is useful but not mandatory. Credit only granted for: AMSC 714 or AMSC 614. Formerly: AMSC614.*

*Maximum principle, finite difference method, upwinding, error analysis; Variational formulation of elliptic problems, inf-sup theory; The finite element method and its implementation; Piecewise polynomial interpolation theory in Sobolev spaces; A priori and a posteriori error analyses, adaptivity; Fast solvers; Variational crimes; Mixed finite element methods.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Ricardo Nochetto     | Seats (Total: 25) |
|      | TuTh 5:00pm - 6:15pm | MTH 1313          |

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### **AMSC760      Applied Statistics Practicum**

(Perm req)

Credits: 3                      Grading Method: Regular

*Prerequisite: Must have completed one year of graduate study in Applied Statistics. Restriction: Must have project proposal approved by SAC coordinator.*

*A semester long applied applied statistical project (a minimum 10 hours per week or 120 hours in total), in an internship of collaborative research-laboratory setting working on a substantive applied quantitative project with significant statistical content.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Konstantina Trivisa                           | Seats (Total: 22) |
|      | Contact instructor or department for details. |                   |

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### **AMSC762      Data Analysis Project**

(Perm req)

Credits: 1                      Grading Method: Regular

*This course cannot be used to meet any of the Applied Statistics Area's seminar requirements. Offered yearly, required of and limited to MS non-thesis and doctoral students in Applied Statistics Area, for whom the resulting projects serve as a Qualifying Exam component. After 5-6 lectures or presentations on components of successful data analyses and write-ups, 3-4 sessions will discuss previous student project submissions. The culminating project, to be completed in a two week period between semesters, is an analysis and written report of one of three project choices made available each year to represent a spectrum of realistic applied statistical problems.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Konstantina Trivisa                           | Seats (Total: 25) |
|      | Contact instructor or department for details. |                   |

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### **AMSC763      Advanced Linear Numerical Analysis**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: AMSC666 or CMSC666; or permission of instructor. Also offered as: CMSC760. Credit only granted for: AMSC600 or CMSC760; AMSC763 or CMSC763;. Formerly: AMSC600.*

*Advanced topics in numerical linear algebra, such as dense eigenvalue problems, sparse elimination, iterative methods, and other topics.*

Also offered as CMSC763. Credit granted for AMSC763 or CMSC763.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Howard Elman         | Seats (Total: 20) |
|      | TuTh 2:00pm - 3:15pm | CSI 3120          |

### AMSC799 Master's Thesis Research

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

### AMSC808A Advanced Topics in Applied Mathematics

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

*Advanced topics of current interest.*

**Contact department for information to register for this course.**

### AMSC898 Pre-Candidacy Research

Credits: 1-8 Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

### AMSC899 Doctoral Dissertation Research

(Perm req)

Credits: 6 Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

## AMST American Studies Fall 2017

### AMST101 Introduction American Studies

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO, D General Education: DSHU, DVUP

*Credit only granted for: AMST101 or AMST201. Formerly: AMST201.*

*Introduces students to the interdisciplinary field of American Studies by examining concepts such as culture, identity, cultural practices, and globalization, as well as theories underlying these concepts. Engages key themes, especially constructions of difference and identity, cultures of everyday life, and America and the world.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Brienne Adams       | Seats (Total: 25) |
|      | MWF 9:00am - 9:50am | KEY 0123          |

|      |  |   |  |
|------|--|---|--|
| 0201 | Ian Funk<br>MWF 1:00pm - 1:50pm  | Seats (Total: 25)<br>KEY 0126                         |  |
| 0301 | Jacqueline Partida<br>TuTh 8:00am - 9:15am   | Seats (Total: 25)<br>KEY 0120                         |  |
| 0401 | Robert Chester<br>TuTh 12:30pm - 1:45pm  | Seats (Total: 25)<br>JMP 1202                         |  |
| FCH1 | Kelsey Michael<br>F 10:00am - 11:15am<br>Class time/details on ELMs<br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 25)<br>ARC 1101<br>ONLINE<br>Discussion |  |
| FCH2 | Kelsey Michael<br>Tu 6:00pm - 7:15pm<br>Class time/details on ELMs<br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 25)<br>TLF 1103<br>ONLINE<br>Discussion |  |

## AMST202

### Cultures of Everyday Life in America

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH      General Education: DSHS

*Examine the structures and patterns of everyday life in the U.S., utilizing methods such as ethnography, oral history, survey research, and textual, visual, and material cultural analysis.*

|      |  |                               |  |
|------|--|-------------------------------|--|
| 0101 | Ashley Minner<br>MWF 10:00am - 10:50am | Seats (Total: 25)<br>KEY 0116 |  |
|------|--|-------------------------------|--|

## AMST203

### Popular Culture in America

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO      General Education: DSHU, DVUP

*An introduction to American popular culture, its historical development, and its role as a reflection of and influence on our culture and society.*

|      |   |   |  |
|------|---|---|--|
| FCH1 | A Anthony<br>F 1:00pm - 2:15pm<br>Class time/details on ELMs<br><i>Restricted to students in Freshman Connection.</i> | Seats (Total: 22)<br>ASY 3203<br>ONLINE<br>Discussion |  |
|------|---|---|--|

|   |                            |                   |            |
|---|----------------------------|-------------------|------------|
| FCH2  | A Anthony                  | Seats (Total: 22) |            |
|   | F 11:30am - 12:45pm        | KNI 1103          |            |
|   | Class time/details on ELMs | ONLINE            | Discussion |
| <i>Restricted to students in Freshmen Connection.</i> |                            |                   |            |

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#### AMST204 Film and American Culture Studies

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO      General Education: DSHU, DVUP

*Exploration of the American film from a historical perspective, illustrating the motion picture's role as an institutional phenomenon, as a form of communication, and as a source of cross-cultural study.*

|      |                       |                   |  |
|------|-----------------------|-------------------|--|
| 0101 | Susan Pramschufer     | Seats (Total: 35) |  |
|      | TuTh 9:30am - 10:45am | HBK 0302J         |  |

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#### AMST205 Material Aspects of American Life

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HA      General Education: DSHU, DVUP

*Historical survey of American material culture. Ways of describing and interpreting accumulated material evidence (e.g., buildings, town plans) introduced by stressing relationship between artifact and culture.*

|   |                            |                   |            |
|---|----------------------------|-------------------|------------|
| 0101  | Shoji Sanders              | Seats (Total: 25) |            |
|   | TuTh 9:30am - 10:45am      | JMZ 0125          |            |
| FCH1  | Jung Kim                   | Seats (Total: 25) |            |
|   | F 11:30am - 12:45pm        | KEY 0126          |            |
|   | Class time/details on ELMs | ONLINE            | Discussion |
| <i>Restricted to students in Freshman Connection.</i> |                            |                   |            |
| FCH2  | Jung Kim                   | Seats (Total: 25) |            |
|   | F 1:00pm - 2:15pm          | KEY 0116          |            |
|   | Class time/details on ELMs | ONLINE            | Discussion |
| <i>Restricted to students in Freshmen Connection.</i> |                            |                   |            |

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#### AMST260 American Culture in the Information Age

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB      General Education: DSHS, SCIS



*Examines the ways in which content and form of public information interact with the culture, families & individual/s.*

|      |                    |                   |            |
|------|--------------------|-------------------|------------|
| 0101 | Asim Ali           | Seats (Total: 20) |            |
|      | MW 2:00pm - 2:50pm | ASY 2309          |            |
|      | W 1:00pm - 1:50pm  | TWS 0134          | Discussion |
| 0102 | Asim Ali           | Seats (Total: 20) |            |
|      | MW 2:00pm - 2:50pm | ASY 2309          |            |
|      | W 1:00pm - 1:50pm  | TWS 0330          | Discussion |
| 0103 | Asim Ali           | Seats (Total: 20) |            |
|      | MW 2:00pm - 2:50pm | ASY 2309          |            |
|      | F 1:00pm - 1:50pm  | TWS 0134          | Discussion |
| 0104 | Asim Ali           | Seats (Total: 20) |            |
|      | MW 2:00pm - 2:50pm | ASY 2309          |            |
|      | F 1:00pm - 1:50pm  | TWS 0330          | Discussion |

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

|            |                                       |             |                                  |
|------------|---------------------------------------|-------------|----------------------------------|
| Credits: 3 | Grading Method: Regular,<br>Pass-Fail | CORE: SB, D | General Education: DSHS,<br>DVUP |
|------------|---------------------------------------|-------------|----------------------------------|

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Terry Park             | Seats (Total: 40) |
|      | TuTh 11:00am - 12:15pm | SQH 1101          |

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Cultural study of a specific theme or issue involving artifacts and documents from both past and contemporary American experience.*

Also offered as AAST298A. Credit granted for AAST298A or AMST298I.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Ilyas Abukar         | Seats (Total: 10) |
|      | TuTh 1:10pm - 2:30pm | HJP 3120          |

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**AMST298Q      Selected Topics in American Studies; U.S. Latina/o Literature and Culture**

Credits: 3                      Grading Method: Regular,                      General Education: DSHU,  
   Pass-Fail, Audit    DVUP

*Cultural study of a specific theme or issue involving artifacts and documents from both past and contemporary American experience.*

Also offered as ENGL235. Credit granted for ENGL235 or AMST298Q.

|      |                               |                   |
|------|-------------------------------|-------------------|
| 0201 | Sharada Balachandran Orihuela | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm          | TWS 0214          |

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**AMST328E      Perspectives on Identity and Culture; Afro-Latinx Diasporas**

Credits: 3                      Grading Method: Regular,  
   Pass-Fail, Audit

*Analysis of the cultural aspect of identity formation and the role of individual or community identities in cultural production. Examination of cultural texts such as film, literature, fashion, artifacts, archival records, architecture, monuments, sports, and paintings.*

Also offered as USLT319A. Credit granted for USLT319A or AMST328E. Students will examine the history of the African diaspora and the Afro-Latinx populations in the United States. Explores transnational migrations, comparative slave systems, labor, community formation, gender, sexuality, popular culture, and the changing meanings of blackness and latinidad.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Nancy Mirabal       | Seats (Total: 15) |
|      | MWF 2:00pm - 2:50pm | TWS 0134          |

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**AMST328J      Perspectives on Identity and Culture; Filipino American History and Biography**

Credits: 3                      Grading Method: Regular,                      General Education: DSHS,  
   Pass-Fail, Audit    DVUP

*Analysis of the cultural aspect of identity formation and the role of individual or community identities in cultural production. Examination of cultural texts such as film, literature, fashion, artifacts, archival records, architecture, monuments, sports, and paintings.*

Also offered ad AAST398D. Credit granted for AAST398D or AMST328J. Focus is placed on Filipino American experiences with an emphasis on identity, community building and organizing to influence public policy We will cover pertinent events from the US and Philippine history in order to understand the impact of colonialism, migration, immigration and assimilation on Filipino Americans.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Gemirald Daus      | Seats (Total: 35) |
|      | Tu 5:00pm - 7:45pm | ASY 3207          |

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### **AMST328L Perspectives on Identity and Culture; Introduction to Comparative Ethnic Studies**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Analysis of the cultural aspect of identity formation and the role of individual or community identities in cultural production. Examination of cultural texts such as film, literature, fashion, artifacts, archival records, architecture, monuments, sports, and paintings.*

Also offered as AAST398F. Credit granted for AMST328L or AAST398F.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Janelle Wong          | Seats (Total: 25) |
|      | MWF 11:00am - 11:50am | JMP 2202          |

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### **AMST340 Introduction to History, Theories and Methods in American Studies**

(Perm req)

Credits: 3                      Grading Method: Regular

*Prerequisite: Must have completed AMST201; and 2 courses in AMST. Restriction: Must be in American Studies program; and sophomore standing or higher.*

*Introduction to the process of interdisciplinary research, including research literatures, questions, first-hand sources and library and analytic methods in American Studies. Each student will craft a prospectus for original research.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Asim Ali              | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | TWS 0134          |
| 0201 | Asim Ali              | Seats (Total: 15) |
|      | MW 11:00am - 12:15pm  | TWS 0134          |

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### **AMST386 Experiential Learning**

(Perm req)

Credits: 3-6                      Grading Method: Regular,  
Pass-Fail

*Restriction: Permission of ARHU-American Studies department; and junior standing or higher.*

|   |           |                   |
|---|-----------|-------------------|
| 0401  | Mary Sies | Seats (Total: 10) |
| Contact instructor or department for details. |           |                   |

### AMST388

### Honors Thesis

(Perm req)

Credits: 3

Grading Method: Regular

*Individual research, thesis and oral defense. The research project will be conducted under the supervision of a faculty member.*

**Contact department for information to register for this course.**

### AMST398

### Independent Studies

(Perm req)

Credits: 1-3

Grading Method: Regular

*Provides the student with the opportunity to pursue independent, interdisciplinary research and reading in specific areas of American culture studies.*

**Contact department for information to register for this course.**

### AMST418H

### Cultural Themes in America; Cultural Themes in America-Honors

(Perm req)

Credits: 3

Grading Method: Regular

*Examination of structure and development of American culture through themes such as "growing up American," "culture and mental disorders," "race," "ethnicity," "regionalism," "landscape," and "humor."*

Prerequisite: At least three credit hours of prior coursework in AMST.

**Contact department for information to register for this course.**

### AMST418O

### Cultural Themes in America; African American Humor and Its Social Context

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Examination of structure and development of American culture through themes such as "growing up American," "culture and mental disorders," "race," "ethnicity," "regionalism," "landscape," and "humor."*

We will examine formal aspects of African American humor as well as the historical, political, and sociocultural contexts surrounding that humor. The course curriculum will include black vernacular practices such as toasting, signifying, and the dozens; the comedic writing of authors and playwrights such as Zora Neale Hurston, George C. Wolfe, Suzan-Lori Parks, and Paul Beatty; and the performances of such comedians as Bert Williams, Moms Mabley, Richard Pryor, Whoopi Goldberg, Eddie Murphy, Dave Chappelle, and Issa Rae. Throughout, we will focus on humor's uses for self-making, community-building, cultural critique, protest, venting, healing, and beyond.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | La Marr Bruce        | Seats (Total: 20) |
|      | TuTh 2:00pm - 3:15pm | TWS 0330          |

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**AMST428D American Cultural Eras; Archaeology of Slavery: Classical, Caribbean and North American Contexts**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Investigation of a decade, period, or generation as a case study in significant social change within an American context. Case studies include "Antebellum America, 1840-1860" and "American culture in the Great Depression."*

Also offered as AASP498T, ARCH428L, ARCH628L, ANTH433 and ANTH633. Credit only granted for ANTH433, ANTH633, AMST428D, ARCH428L, ARCH628L, or AASP498T. Has slavery always existed? Does it come and go? North American plantation archaeology has become one of the foundations for understanding African American culture from the 1960s. Slavery in Antiquity existed in Greece and Rome on large scales and was essential to making commercial agriculture profitable work. Slavery in the Caribbean showed Europeans how to make a profit from African bodies. Trafficking in human persons today is recorded by the U.S. State Department annually and is regarded as modern slavery. These varying contexts of slavery will be compared in an attempt to understand slavery scientifically.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Mark Leone         | Seats (Total: 20) |
|      | Tu 2:00pm - 4:45pm | WDS 1130          |

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**AMST429G Perspectives on Popular Culture; American Nobel Prize Winners**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics in popular culture studies, including the examination of particular genres, themes, and issues.*

Also offered as ENGL439G. Credit granted for ENGL439G or AMST429G.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Martha Nell Smith    | Seats (Total: 24) |
|      | TuTh 2:00pm - 3:15pm | TWS 0236          |

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**AMST450 Seminar in American Studies**

(Perm req)

Credits: 3                      Grading Method: Regular                      CORE: CS                      General Education: DSSP

*Prerequisite: AMST201 and AMST340; and 1 course in AMST. Restriction: Senior standing; and must be in American Studies program.*

*Developments in theories and methods of American Studies scholarship, with emphasis upon interaction between the humanities and the social sciences in the process of cultural analysis and evaluation.*

Developments in theories and methods of American Studies scholarship, with emphasis upon interaction between the humanities and the social sciences in the process of cultural analysis and evaluation.

|      |                        |                   |
|------|------------------------|-------------------|
| 0201 | Asim Ali               | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | TWS 0134          |

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**AMST498C      Special Topics in American Studies; Central Americans and the United States: Culture, Politics, and Community**

Credits: 3                      Grading Method: Regular

*Topics of special interest.*

Also offered as USLT498D. Credit granted for USLT498D or AMST498C.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Robert Chester       | Seats (Total: 25) |
|      | TuTh 2:00pm - 3:15pm | TWS 0134          |

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**AMST498L      Special Topics in American Studies; Native Americans and U.S. Cinema**

Credits: 3                      Grading Method: Regular

*Topics of special interest.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Robert Chester        | Seats (Total: 35) |
|      | TuTh 9:30am - 10:45am | CHM 0128          |

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**AMST498Q      Special Topics in American Studies; Asian American Psychology**

Credits: 3                      Grading Method: Regular

*Topics of special interest.*

Also offered as AAST498J and PSYC489Z. Credit only granted for AAST498J, AMST498Q, or PSYC489Z. This course provides students with an understanding of the ecological influences on Asian American psychological well-being. It begins with the individual, covering topics relating to various social identities pertaining to Asian Americans. Moving outward, it highlights family and peer relationships. At the community and cultural level, the course focuses on the process of migration and acculturation. Finally, it concludes with a discussion of social advocacy, service provisions and cultural competency. Also offered as AAST498J. Credit granted for AMST498Q or AAST498J.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Kieu Anh Do          | Seats (Total: 25) |
|      | TuTh 2:00pm - 3:15pm | JMZ 1215          |

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**AMST498V      Special Topics in American Studies; Sex and the City**

Credits: 3                      Grading Method: Regular

*Topics of special interest.*

Also offered as LGBT448C. Credit granted for AMST498V or LGBT448C. This class adopts an interdisciplinary and intersectional approach to the study of sex and the city. Although the class focuses on the experiences of lesbian, gay, bisexual, and transgender (LGBT) people, the class also considers marginalized sexualities more generally, including a range of identities and practices that do not fall into dominant definitions of heterosexuality. Central throughout is an analysis of how the politics of sexuality is shaped by race, gender, and the economy. Units include Progressive-era city reforms, sub-cultural studies of the Chicago School, the history of pre-Stonewall sexual minority communities, theories of sexual migration, sex tourism, the Moynihan Report, LGBT and queer social movements, gender profiling, public sex, sexual labor, gentrification, street safety, and the representation of the city in cultural production.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Christina Hanhardt | Seats (Total: 25) |
|      | MW 2:00pm - 3:15pm | HBK 1112          |

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**AMST498W      Special Topics in American Studies; Globalization and the Diversifying US**

Credits: 3                      Grading Method: Regular

*Topics of special interest.*

Also offered as USLT498N and IMMR419J. Credit granted for USLT498N, AMST498W, or IMMR419J. Prerequisite: At least three credit hours of prior coursework in AMST.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Perla Guerrero        | Seats (Total: 35) |
|      | TuTh 9:30am - 10:45am | SQH 1101          |

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**AMST601      Introductory Theories and History in American Studies**

Credits: 3                      Grading Method: Regular

*Restriction: Must not be a Graduate Advanced Special Student.*

*Explores the formative literature, theories, research approaches, and history of American Studies.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Jan Padios        | Seats (Total: 15) |
|      | M 4:00pm - 6:40pm | TWS 0134          |

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**AMST628B Seminar in American Studies; Black Sexualities**

Credits: 3                      Grading Method: Regular,  
Audit

Also offered as WMST698O. Credit granted for AMST628B or WMST698O. An interdisciplinary and intersectional seminar on black sex and sexualities in the West. We will approach sex and sexuality as charged sites of social relations where power, pleasure, vulnerability, abjection, violence, knowledge, and freedom are produced and negotiated. The course curriculum will include visual culture, fiction, music, histories of sexualities, black feminist theory, sociology, queer of color critique, performance theory, affect studies, critical pornography studies, and beyond.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | La Marr Bruce      | Seats (Total: 20) |
|      | Th 4:00pm - 6:40pm | TWS 0134          |

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**AMST629C Seminar in American Studies; Deviance and Dominance in the City**

Credits: 3                      Grading Method: Regular

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Christina Hanhardt | Seats (Total: 15) |
|      | Tu 4:00pm - 6:40pm | TWS 0134          |

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**AMST698 Directed Readings in American Studies**

(Perm req)

Credits: 3                      Grading Method: Regular

*This course is designed to provide students with the opportunity to pursue independent, interdisciplinary research and reading in specific aspects of American culture under the supervision of a faculty member.*

**Contact department for information to register for this course.**

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**AMST798 Non-Thesis Research**

Credits: 1-3                      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**AMST799 Master's Thesis Research**

Credits: 1-6                      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**AMST851 Interpretation of Cultural Landscapes**



Credits: 3                      Grading Method: Regular

*A research seminar that provides students an opportunity to survey the principal approaches to studying a cultural landscape, learn how to apply and adapt a field research method, and produce a primary research report on a cultural landscape of their choice.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Mary Sies         | Seats (Total: 15) |
|      | W 4:00pm - 6:40pm | TWS 0134          |

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**AMST856                      Museum Research Seminar**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: AMST655. Also offered as: ANTH856, HIST810. Credit only granted for: AMST856, HIST810, or ANTH856.*

*A research seminar focusing on the practice and presentation of cultural and historical scholarship in museums and historical sites. Students will complete an original research project on the challenges and opportunities of public exhibition and interpretation of cultural and historical research.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Elsa Barkley Brown | Seats (Total: 15) |
|      | W 4:00pm - 6:40pm  | TWS 1313          |

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**AMST857                      Museum Scholarship Practicum**

Credits: 3                      Grading Method: Regular

*Prerequisite: AMST856; and permission of Museum Scholarship Program required. Also offered as: ANTH857, HIST811. Credit only granted for: AMST857, ANTH857, or HIST811.*

*Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.*

|      |   |                  |
|------|---|------------------|
| 0101 | Mary Alexander                                | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |
| 0401 | Mary Sies                                     | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |

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**AMST878A                      American Studies Pedagogy Mentoring; Mentoring for First Year Teaching in American Studies**

(Perm req)                      Credits: 1-3                      Grading Method: Sat-Fail

*This course provides graduate teaching assistants with a structured approach to pedagogical content, techniques, and collaborative practices that they learn and then can use throughout their careers. It also commits a core faculty member to teaching pedagogy and makes it possible for the course to become a formal part of one's load.*

Prerequisite: permission of department and must be a current AMST teaching assistant.

|   |            |                  |
|---|------------|------------------|
| 0101  | Jan Padios | Seats (Total: 5) |
| Contact instructor or department for details. |            |                  |

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**AMST878B American Studies Pedagogy Mentoring; Mentoring for Second Year Teaching in American Studies**

(Perm req)

Credits: 1-3      Grading Method: Sat-Fail

*This course provides graduate teaching assistants with a structured approach to pedagogical content, techniques, and collaborative practices that they learn and then can use throughout their careers. It also commits a core faculty member to teaching pedagogy and makes it possible for the course to become a formal part of one's load.*

Prerequisite: permission of department and must be a current AMST teaching assistant.

|   |            |                  |
|---|------------|------------------|
| 0101  | Jan Padios | Seats (Total: 5) |
| Contact instructor or department for details. |            |                  |

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**AMST878C American Studies Pedagogy Mentoring; Mentoring for Third Year Teaching in American Studies**

(Perm req)

Credits: 1-3      Grading Method: Sat-Fail

*This course provides graduate teaching assistants with a structured approach to pedagogical content, techniques, and collaborative practices that they learn and then can use throughout their careers. It also commits a core faculty member to teaching pedagogy and makes it possible for the course to become a formal part of one's load.*

Prerequisite: permission of department and must be a current AMST teaching assistant.

|   |            |                  |
|---|------------|------------------|
| 0101  | Jan Padios | Seats (Total: 5) |
| Contact instructor or department for details. |            |                  |

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**AMST898 Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**AMST899 Doctoral Dissertation Research**

(Perm req)

Credits: 6

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

## ANSC Animal Science

Fall 2017

*The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.*

### ANSC101 Principles of Animal Science

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

*A comprehensive overview of the application of biology in the care and use of animals that live in close association with humans including food animals, companion animals, lab animals, zoo animals, etc. The role of science in modern food production using animals will be emphasized.*

|      |                     |                    |
|------|---------------------|--------------------|
| 0101 | Kasey Moyes         | Seats (Total: 225) |
|      | MWF 1:00pm - 1:50pm | ESJ 0224           |

### ANSC103 Principles of Animal Science Laboratory

Credits: 1

Grading Method: Regular

*Prerequisite: Must have completed or be concurrently enrolled in ANSC101. Restriction: Must be in one of the following programs (Environmental Sci & Pol-Environment & Agriculture; Agricultural and Veterinary Medicine; Agricultural Science and Technology) ; or must be in a major within the AGNR-Animal & Avian Sciences department; or permission of department required for students in other College of AGNR programs.*

*Laboratory focusing on the application of biology in the care and use of animals that live in close association with humans including food animals, companion animals, lab animals, zoo animals, etc. Labs will include live animals. Offered in fall semester only.*

Students must pay a \$50.00 laboratory materials fee.

|      |                    |                   |     |
|------|--------------------|-------------------|-----|
| 0101 | Robert Peters      | Seats (Total: 24) |     |
|      | M 3:00pm - 4:50pm  | ANS 1144          | Lab |
| 0201 | Robert Peters      | Seats (Total: 24) |     |
|      | Tu 2:00pm - 3:50pm | ANS 1144          | Lab |

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0301 | Robert Peters       | Seats (Total: 24) |     |
|      | F 10:00am - 11:50am | ANS 1144          | Lab |
| 0401 | Robert Peters       | Seats (Total: 24) |     |
|      | Th 2:00pm - 3:50pm  | ANS 1144          | Lab |
| 0501 | Robert Peters       | Seats (Total: 24) |     |
|      | W 3:00pm - 4:50pm   | ANS 1144          | Lab |
| 0601 | Robert Peters       | Seats (Total: 24) |     |
|      | M 10:00am - 11:50am | ANS 1144          | Lab |

## ANSC211

### Anatomy of Domestic Animals

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ANSC101 and ANSC103. And BSCI105; or (BSCI170 and BSCI171). Restriction: Must be in one of the following programs (Environmental Sci&Pol-Wildlife Resources & Cons; Animal Sciences: Animal Care & Management; Animal Sciences: Equine Studies; Animal Sciences: Laboratory Animal Care; Animal Sciences: Sciences/Preprofessional; Animal Sciences: Animal Biotechnology; Agricultural and Veterinary Medicine).*

*Covering the anatomy of major species of domestic animals. The lecture portion utilizes a systemic approach to provide a general knowledge of both gross and microscopic mammalian structure. Comparative differences between the major domestic species are covered in these lectures. A regional approach is taken to study the gross anatomy of major domestic species in the laboratory portion. Offered fall semester only.*

Offered fall only. Students must pay a \$50.00 laboratory materials fee.

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0101 | Angela Black        | Seats (Total: 22) |     |
|      | MW 2:00pm - 2:50pm  | ANS 0408          |     |
|      | Tu 9:00am - 12:00pm | ANS 0108          | Lab |
| 0102 | Angela Black        | Seats (Total: 22) |     |
|      | MW 2:00pm - 2:50pm  | ANS 0408          |     |
|      | Tu 1:00pm - 4:00pm  | ANS 0108          | Lab |
| 0103 | Angela Black        | Seats (Total: 22) |     |
|      | MW 2:00pm - 2:50pm  | ANS 0408          |     |
|      | Th 9:00am - 12:00pm | ANS 0108          | Lab |

|      |                    |                   |     |
|------|--------------------|-------------------|-----|
| 0104 | Angela Black       | Seats (Total: 22) |     |
|      | MW 2:00pm - 2:50pm | ANS 0408          |     |
|      | Th 1:00pm - 4:00pm | ANS 0108          | Lab |

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## **ANSC227      Eating with Eyes Wide Open**

Credits: 3      Grading Method: Regular,      General Education: DSNS,  
Pass-Fail, Audit      SCIS

*Students will investigate the tension that is created by trade-offs that, knowingly or not, are made by consumers relative to agricultural production methods and dietary choices. Course will inform students about their food supply so they can make informed decisions and practice intentional or informed eating.*

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0101 | R Apter               | Seats (Total: 20) |     |
|      | TuTh 9:30am - 10:20am | CHM 2201          |     |
|      | M 1:00pm - 2:50pm     | ANS 1144          | Lab |
| 0102 | R Apter               | Seats (Total: 20) |     |
|      | TuTh 9:30am - 10:20am | CHM 2201          |     |
|      | W 8:00am - 9:50am     | ANS 1144          | Lab |
| 0103 | R Apter               | Seats (Total: 20) |     |
|      | TuTh 9:30am - 10:20am | CHM 2201          |     |
|      | W 1:00pm - 2:50pm     | ANS 1144          | Lab |

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## **ANSC242      Dairy Cattle Management**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ANSC101 and ANSC103. Formerly: ANSC240 and ANSC241.*

*All aspects of dairy production, including nutrition, reproduction, mastitis control, milking management, farmstead facilities, financial management and forage production.*

|      |                        |                   |  |
|------|------------------------|-------------------|--|
| 0101 | Richard Erdman         | Seats (Total: 35) |  |
|      | TuTh 11:00am - 12:15pm | ANS 0408          |  |

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## **ANSC252      Introduction to the Diseases of Wildlife**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCI105; or (BSCI170 and BSCI171); or permission of AGNR-Animal & Avian Sciences department; or students who have taken courses with comparable content may contact the department.*

*The principal diseases of North American wildlife will be briefly considered. For each disease, specific attention will be given to the following: signs evidenced by the affected animal or bird, causative agent, means of transmission and effects of the disease on the population of the species involved.*

Offered fall only.

|      |                   |                   |            |
|------|-------------------|-------------------|------------|
| 0101 | Cindy Driscoll    | Seats (Total: 80) |            |
|      | M 4:00pm - 5:50pm | ANS 0408          |            |
|      | M 6:00pm - 6:50pm | ANS 0408          | Discussion |

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### **ANSC255 Introduction to Aquaculture**

Credits: 3

Grading Method: Regular

General Education: DSSP

*Prerequisite: ANSC101 and ANSC103; or must have completed an introductory biology course.*

*Introduces the art and science of rearing aquatic animals and the essential principles of aquaculture. Students receive hands-on training in the methods required for successful husbandry and management of aquatic animals in their water environment.*

|      |                        |                   |  |
|------|------------------------|-------------------|--|
| 0101 | L Woods                | Seats (Total: 20) |  |
|      | TuTh 11:00am - 12:50pm | ANS 1144          |  |

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### **ANSC270 Animal Enterprise Management**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ANSC101 and ANSC103; or permission of instructor. Credit only granted for: ANSC270 or AREC306.*

*General principles of enterprise organization, management, and operation as applicable to food, livestock, and companion animals. Enterprise planning and establishment, management of financial, human, and animal resources, and other related topics will be investigated.*

|      |                        |                   |  |
|------|------------------------|-------------------|--|
| 0101 | R Apter                | Seats (Total: 40) |  |
|      | TuTh 11:00am - 12:15pm | ANS 0412          |  |

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### **ANSC275 Introduction to Veterinary Medical Science and Practice**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: LS

General Education: DSNS,  
DSSP

*Prerequisite: BSCI105; or (BSCI170 and BSCI171).*

*The fundamentals of clinical veterinary medical practice and the research that supports it. Topics presented will include the histology, gross anatomy and physiology of the musculoskeletal, cardiovascular, respiratory, reproductive, digestive, renal and neurological systems as they relate to the description of specific disease states taught in this course. Additionally, examples of diseases caused by pathologic disturbances to these systems will be discussed, as well as the basic principles of preventative health care, diagnostic testing and pharmacologic intervention. Significant attention will be given to research in veterinary science and the practice of evidence-based medicine. This course is intended for any student interested in veterinary medicine, animal physiology, or medical science.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Sarah Balcom          | Seats (Total: 20) |
|      | MWF 11:00am - 11:50am | ANS 0412          |

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### **ANSC314      Comparative Animal Nutrition**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ANSC101 and ANSC103; and (CHEM231 or CHEM104).*

*The fundamental role and implications of dietary preference, gastrointestinal physiology and nutrients in animal nutrition. Biochemical roles of nutrients in metabolism, digestion, absorption and assimilation as it relates to various life processes.*

Offered fall only.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Richard Kohn        | Seats (Total: 88) |
|      | MWF 9:00am - 9:50am | ANS 0408          |

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### **ANSC330      Equine Science**

Credits: 3                      Grading Method: Regular

*Prerequisite: ANSC232; or permission of instructor. Recommended: ANSC212 and ANSC211. Credit only granted for: ANSC230 or ANSC330. Formerly: ANSC230.*

*Scientific principles of horse behavior, anatomy, physiology, locomotion, nutrition, reproduction, growth, health and disease as applied to horses are emphasized.*

Offered fall only. Students must pay a \$50.00 laboratory materials fee.

|      |                    |                                   |
|------|--------------------|-----------------------------------|
| 0101 | Amy Burk           | Seats (Total: 28)                 |
|      | MW 1:00pm - 1:50pm | ANS 0402                          |
|      | F 2:00pm - 3:50pm  | ANS 1144                      Lab |

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**ANSC359****Internship Experience in Animal and Avian Sciences**

(Perm req)

Credits: 3-6

Grading Method: Regular,  
Pass-Fail

General Education: DSSP

*Experiential learning is a key component in an animal science education. Through the internship program, you will have the opportunity to develop your expertise in a specific species and discipline within the animal science curriculum. You will arrange an on- or off-campus internship experience related to animal science. You will spend a specified number of hours at the internship site each week and attend biweekly classroom sessions where we will discuss how the study of animal science fits into your specific internship experience as well as understand how to achieve each of the course learning outcomes.*

Prerequisite: ANSC220, ANSC232, ANSC242, ANSC250, ANSC255, ANSC260, or ANSC262.

Restriction: Must be in a major within the AGNR-Animal & Avian Sciences department; and permission of instructor.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Monica VanKlombenberg | Seats (Total: 20) |
|      | Tu 3:30pm - 5:30pm    | ANS 0402          |

**ANSC379****Animal Science Undergraduate Teaching Assistant Seminar**

(Perm req)

Credits: 2

Grading Method: Regular

*Seminar course for undergraduate teaching assistants within ANSC.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Sarah Balcom                                  | Seats (Total: 15) |
|      | W 12:00pm - 12:50pm                           | ANS 1408          |
|      | Contact instructor or department for details. |                   |

**ANSC388****Honors Thesis Research**

Credits: 3-6

Grading Method: Regular

*Undergraduate honors thesis research conducted under the direction of an AGNR faculty member in partial fulfillment of the requirements of the College of AGNR Honors Program. The thesis will be defended to a faculty committee.*

|      |   |                  |
|------|---|------------------|
| 0701 | Chad Stahl                                    | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 1901 | William Stricklin                             | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 5201 | Amy Burk                                      | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |



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**ANSC389****Experiential Learning**

(Perm req)

Credits: 3-6      Grading Method: Regular,  
Pass-Fail**Contact department for information to register for this course.**

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**ANSC399****Special Problems in Animal Science**

(Perm req)

Credits: 1-2      Grading Method: Regular,  
Pass-Fail, Audit

*Work assignments are designed to be proportional to the amount of credit. Students are expected to develop an abstract, fact sheet, manuscript, oral presentation, poster, webpage, journal-log, or other scholarly product associated with their study and/or project.*

**Contact department for information to register for this course.**

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**ANSC417****Regulatory Issues in Animal Care and Management**Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ANSC220, ANSC232, ANSC242, ANSC250, ANSC255, ANSC260, or ANSC262.*

*A study of regulatory issues affecting animal care and management in the livestock industry. Guest speakers and classroom discussions will focus on key topics including animal welfare, feed and drug regulations, animal identification, CAFO management, processing and marketing of animal products.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Monica VanKlompberg   | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | ANS 0402          |

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**ANSC437****Animal Biotechnology**Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ANSC327; or students who have taken courses with comparable content may contact the department.*

*Key concepts and current issues in animal biotechnology are covered. Current techniques and applications systems as well as social, ethical, and regulatory issues associated with biotechnology will be discussed.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Carol Keefer          | Seats (Total: 25) |
|      | MWF 10:00am - 10:50am | ANS 0412          |

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**ANSC446****Physiology of Mammalian Reproduction**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ANSC212 or BSCI440.*

*Anatomy and physiology of reproductive processes in domesticated and wild mammals.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Bhanu Telugu         | Seats (Total: 80) |
|      | TuTh 2:00pm - 3:15pm | ANS 0408          |

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**ANSC447                      Physiology of Mammalian Reproduction Laboratory**

(Perm req)

Credits: 1                      Grading Method: Regular

*Prerequisite: Must have completed or be concurrently enrolled in ANSC446.*

*Gross and micro-anatomy, artificial insemination, estrous cycle synchronization and invitro-fertilization procedures and analytical techniques useful in animal management and reproduction.*

Students must pay a \$50.00 laboratory materials fee.

|      |                    |                                   |
|------|--------------------|-----------------------------------|
| 0101 | Bhanu Telugu       | Seats (Total: 30)                 |
|      | F 12:00pm - 1:50pm | ANS 0108                      Lab |

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**ANSC450                      Animal Breeding Plans**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BIOM301; or students who have taken courses with comparable content may contact the department. Restriction: Junior standing or higher.*

*Design of animal breeding programs for the genetic improvement of livestock and companion animal species. Principles of population and quantitative genetics. Genetic evaluations of animals, selection strategies and crossbreeding systems. Incorporation of advanced statistics and biotechnology into animal breeding plans.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Monica VanKlombenberg | Seats (Total: 35) |
|      | MWF 9:00am - 9:50am   | ANS 0412          |

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**ANSC455                      Applied Animal Behavior**

Credits: 3                      Grading Method: Regular

*Prerequisite: ANSC101 and ANSC103; or BSCI106; or (BSCI160 and BSCI161).*

*Principles of animal behavior applied to production systems in animal agriculture.*

Offered fall only.

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | R Apter              | Seats (Total: 55) |     |
|      | MW 11:00am - 11:50am | ANS 0408          |     |
|      | F 11:00am - 12:50pm  | ANS 0408          | Lab |

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**ANSC489      Current Topics in Animal Science**

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Examination of current developments in the animal sciences.*

**Contact department for information to register for this course.**

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**ANSC489A      Current Topics in Animal Science; Animal Health Policy and Communication**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Examination of current developments in the animal sciences.*

Recommended: ANSC225 and ANSC340. Restriction: Must be in a major within the AGNR-Animal & Avian Sciences department; or permission of AGNR-VA-MD Regional Col Veterinary Med. An introduction to animal health policy with emphasis on understanding how science and politics interact and influence animal health policy and how veterinarians and animal scientists can effectively communicate science to non-scientists such as legislators and policymakers.

|      |                      |                   |  |
|------|----------------------|-------------------|--|
| 0101 | Nathaniel Tablante   | Seats (Total: 10) |  |
|      | TuTh 8:00am - 9:15am | ANS 0412          |  |

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**ANSC660      Poultry Literature**

Credits: 1-4      Grading Method: Regular,  
Audit

*Readings on individual topics are assigned. Written reports required. Methods of analysis and presentation of scientific material are discussed.*

**Contact department for information to register for this course.**

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**ANSC698C      Seminar; Recent Advances in Animal and Avian Sciences**

Credits: 1      Grading Method: Regular,  
Audit

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Richard Kohn       | Seats (Total: 25) |
|      | Tu 3:30pm - 5:30pm | ANS 0408          |

|      |                    |                   |            |
|------|--------------------|-------------------|------------|
| 0101 | Richard Kohn       | Seats (Total: 12) |            |
|      | Tu 3:30pm - 5:30pm | ANS 0408          |            |
|      | Th 3:30pm - 4:30pm | ANS 0402          | Discussion |

**Contact department for information to register for this course.**

**Contact department for information to register for this course.**

**Contact department for information to register for this course.**

**Contact department for information to register for this course.**

**ANTH210**
**Introduction to Medical Anthropology and Global Health**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*An introduction to the central concepts in medical anthropology and the anthropology of global health. This course is a survey of anthropological notions of health, disease, and the body in cross-cultural and global contexts, including classic and contemporary texts. It will provide an examination of systems of knowledge and practice with regard to illness, healing, and global health inequities.*

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Andrea Lopez         | Seats (Total: 20) |            |
|      | TuTh 2:00pm - 2:50pm | ESJ 2212          |            |
|      | F 1:00pm - 1:50pm    | WDS 0104          | Discussion |
| 0102 | Andrea Lopez         | Seats (Total: 20) |            |
|      | TuTh 2:00pm - 2:50pm | ESJ 2212          |            |
|      | F 2:00pm - 2:50pm    | WDS 0104          | Discussion |
| 0103 | Andrea Lopez         | Seats (Total: 20) |            |
|      | TuTh 2:00pm - 2:50pm | ESJ 2212          |            |
|      | F 3:00pm - 3:50pm    | WDS 0104          | Discussion |

**ANTH221**
**Introduction to Forensic Sciences**

Credits: 3                      Grading Method: Regular,                      General Education: DSSP  
Pass-Fail, Audit

*Credit only granted for: ANTH298A or ANTH221. Formerly: ANTH298A.*

*Provides a brief history of forensic sciences, an introduction to some of the techniques used, and a demonstration of some of the applications of forensic sciences. A survey course designed to give the student some exposure to the kinds of scientific knowledge and techniques applied to the medico-legal investigation of death and other crimes.*

|   |                      |                   |  |
|---|----------------------|-------------------|--|
| FC01  | Erin Guthrie         | Seats (Total: 24) |  |
|   | TuTh 6:00pm - 7:15pm | WDS 0124C         |  |
| <i>Restricted to students in Freshman Connection.</i> |                      |                   |  |

**ANTH222**
**Introduction to Ecological and Evolutionary Anthropology**

Credits: 4                      Grading Method: Regular,                      CORE: LL                      General Education: DSNL,  
Pass-Fail, Audit                      DVUP

*Credit only granted for: ANTH220 or ANTH222.*

*An introduction to the evolution of human physiology and human behavior, the relationship between hominid and non-hominid primates, and the study of relationships between a population of humans and their biophysical environment.*

Students must pay a \$40.00 materials lab fee.

|      |   |  |     |
|------|---|--|-----|
| 0101 | Michelle Raxter<br>TuTh 11:00am - 12:15pm<br>M 8:00am - 10:00am   | Seats (Total: 20)<br>ATL 2324<br>WDS 0124C | Lab |
| 0102 | Michelle Raxter<br>TuTh 11:00am - 12:15pm<br>M 11:00am - 1:00pm   | Seats (Total: 20)<br>ATL 2324<br>WDS 0124C | Lab |
| 0103 | Michelle Raxter<br>TuTh 11:00am - 12:15pm<br>M 2:00pm - 4:00pm  | Seats (Total: 20)<br>ATL 2324<br>WDS 0124C | Lab |
| 0104 | Michelle Raxter<br>TuTh 11:00am - 12:15pm<br>W 8:00am - 10:00am   | Seats (Total: 20)<br>ATL 2324<br>WDS 0124C | Lab |
| 0105 | Michelle Raxter<br>TuTh 11:00am - 12:15pm<br>W 11:00am - 1:00pm   | Seats (Total: 20)<br>ATL 2324<br>WDS 0124C | Lab |
| 0106 | Michelle Raxter<br>TuTh 11:00am - 12:15pm<br>W 2:00pm - 4:00pm  | Seats (Total: 20)<br>ATL 2324<br>WDS 0124C | Lab |
| FC01 | Tanya Icaza<br>TuTh 4:30pm - 5:45pm<br>F 10:00am - 12:30pm<br><br><i>Restricted to students in Freshmen Connention.</i> | Seats (Total: 18)<br>HBK 0103<br>WDS 0124C | Lab |
| FC02 | Tanya Icaza<br>TuTh 4:30pm - 5:45pm<br>F 12:30pm - 3:00pm<br><br><i>Restricted to students in Freshmen Connention.</i>  | Seats (Total: 18)<br>HBK 0103<br>WDS 0124C | Lab |

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB, D      General Education: DSHS, DVUP

*Exploration of the variety of past human societies and cultures through archaeology, from the emergence of anatomically modern humans to the more recent historical past.*

|      |  |  |
|------|--|--|
| 0101 | George Hambrecht<br>TuTh 11:00am - 12:15pm | Seats (Total: 75)<br>TWS 0310  |
| 0201 | Mark Leone<br>MWF 11:00am - 11:50am        | Seats (Total: 40)<br>WDS 1114  |
| FC01 | Tracy Jenkins<br>MW 4:30pm - 5:45pm        | Seats (Total: 34)<br>HBK 0115<br><br><i>Restricted to students in Freshmen Connection.</i> |

## ANTH260

### Introduction to Sociocultural Anthropology and Linguistics

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB, D      General Education: DSHS, DVUP

*Culture and social relationships in a wide variety of settings from small-scale to complex societies. An overview of how anthropology analyzes human behavior. Particular attention to the relationship between language and culture.*

|      |  |   |            |
|------|--|---|------------|
| 0101 | Thurka Sangaramoorthy<br>TuTh 1:00pm - 1:50pm<br>F 9:00am - 9:50am   | Seats (Total: 20)<br>MMH 1400<br>KEY 0117 | Discussion |
| 0102 | Thurka Sangaramoorthy<br>TuTh 1:00pm - 1:50pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>MMH 1400<br>KEY 0117 | Discussion |
| 0103 | Thurka Sangaramoorthy<br>TuTh 1:00pm - 1:50pm<br>F 11:00am - 11:50am | Seats (Total: 20)<br>MMH 1400<br>TYD 1108 | Discussion |
| 0104 | Thurka Sangaramoorthy<br>TuTh 1:00pm - 1:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 20)<br>MMH 1400<br>WDS 1127 | Discussion |

|      |   |                   |            |
|------|---|-------------------|------------|
| 0105 | Thurka Sangaramoorthy                                 | Seats (Total: 20) |            |
|      | TuTh 1:00pm - 1:50pm                                  | MMH 1400          |            |
|      | F 1:00pm - 1:50pm                                     | WDS 1131          | Discussion |
| 0106 | Thurka Sangaramoorthy                                 | Seats (Total: 20) |            |
|      | TuTh 1:00pm - 1:50pm                                  | MMH 1400          |            |
|      | F 2:00pm - 2:50pm                                     | WDS 1131          | Discussion |
| FC01 | Irene Calis   | Seats (Total: 32) |            |
|      | TuTh 7:30pm - 8:45pm                                  | TYD 2106          |            |
|      | <i>Restricted to students in Freshmen Connection.</i> |                   |            |

## ANTH263

### Sexuality and Culture

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSHS, DVUP

*Credit only granted for: ANTH298K or ANTH263. Formerly: ANTH298K.*

*An overview of sexuality from an anthropological perspective, looking at aspects of sexuality within our own culture and in cultures around the world. Course topics include the biology and culture of sex, gender, physical attraction, sexual orientation, marriage and mating taboos, fertility control, sexually transmitted diseases, and commercial aspects of sex.*

|      |   |                   |  |
|------|---|-------------------|--|
| FC01 | Jeanne Hanna  | Seats (Total: 34) |  |
|      | TuTh 6:00pm - 7:15pm                                  | TYD 1118          |  |
|      | <i>Restricted to students in Freshmen Connection.</i> |                   |  |

## ANTH264

### Immigration Policy, Immigrant Lives

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSHS, DVUP, SCIS

*An examination of the phenomenon of international migration, or immigration. Students develop awareness of how immigration has been framed in the general public and examined by social science disciplines, most prominently anthropology. Examination of case studies of different immigrant groups in distinct geographic contexts will illuminate the varied incorporation experiences of immigrants into U.S. society.*

Also offered as IMMR219C. Credit granted for ANTH264 or IMMR219C.

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0101 | Christina Getrich     | Seats (Total: 20) |            |
|      | TuTh 9:30am - 10:20am | ESJ 1215          |            |
|      | F 9:00am - 9:50am     | WDS 1127          | Discussion |



|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0102 | Christina Getrich     | Seats (Total: 20) |            |
|      | TuTh 9:30am - 10:20am | ESJ 1215          |            |
|      | F 10:00am - 10:50am   | WDS 1127          | Discussion |
| 0103 | Christina Getrich     | Seats (Total: 20) |            |
|      | TuTh 9:30am - 10:20am | ESJ 1215          |            |
|      | F 11:00am - 11:50am   | WDS 1127          | Discussion |

## ANTH265

### Anthropology of Global Health

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB      General Education: DSHS, DVUP, SCIS

*An overview of the growing field of global health including health care systems, medical practices, ideas about illness in cross-cultural contexts, issues of health development, global health inequity, and human rights issues. The course will focus on the history of global health, the critique of major international health agencies and their development paradigms, and the political economy of social inequalities and health.*

|  |                            |                   |            |
|--|----------------------------|-------------------|------------|
| FCH1   | Gwynne Jenkins             | Seats (Total: 27) |            |
|  | Tu 7:30pm - 8:45pm         | KEY 0126          |            |
|  | Class time/details on ELMs | ONLINE            | Discussion |
| <i>Restricted to students in Freshman Connection. Class time/details on ELMS Online Discussion</i> |                            |                   |            |

## ANTH266

### Changing Climate, Changing Cultures

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB      General Education: DSHS, DVCC, SCIS

*Explore past, present, and future interactions between humans and climate. Discussions, methods-oriented activities, and case study analyses provide students a foundation for appreciating the role of anthropology in understanding, responding to, and preparing for climate change.*

|   |                    |                   |  |
|---|--------------------|-------------------|--|
| FC01  | Stanley Herman     | Seats (Total: 39) |  |
|   | MW 6:00pm - 7:15pm | KEY 0116          |  |
| <i>Restricted to students in Freshman Connection.</i> |                    |                   |  |

## ANTH305

### Archaeological Methods and Practice

Credits: 3      Grading Method: Regular      General Education: DSHS

*Prerequisite: ANTH240, ARTH200, or CLAS180. Also offered as: ARTH305, CLAS305. Credit only granted for: ANTH305, ARTH305, or CLAS305.*

*A team-taught, interdisciplinary course discussing theories, methods, and ethical issues in the practice of archaeology.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | George Hambrecht     | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm | KEY 0116          |

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**ANTH322      Method and Theory in Ecological Anthropology**

Credits: 3                      Grading Method: Regular

*Prerequisite: ANTH220 or ANTH222. Restriction: Must be in a major within the BSOS-Anthropology department. Credit only granted for: ANTH320, ANTH322, ANTH425, or ANTH625.*

*A theoretical consideration of ecological anthropology, focusing on issues related to cooperation, the management of common property, resilience, and sustainability. Explores the methods of sociocultural anthropology, including ethnology, evolutionary game theory and agent-based modeling; and natural-science approaches including behavioral and systems ecology.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Stanford Zent         | Seats (Total: 35) |
|      | TuTh 12:30pm - 1:45pm | PHY 1219          |

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**ANTH358A      Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Archaeology**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Individual instruction course: contact department or instructor to obtain section and index numbers.*

**Contact department for information to register for this course.**

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**ANTH358B      Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Bio-Anthropology**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Individual instruction course: contact department or instructor to obtain section and index numbers.*

**Contact department for information to register for this course.**

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**ANTH358C      Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Cultural Anthropology**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Individual instruction course: contact department or instructor to obtain section and index numbers.*

**Contact department for information to register for this course.**

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**ANTH360      Method and Theory in Sociocultural Anthropology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ANTH260. Restriction: Must be in Anthropology program; or permission of BSOS-Anthropology department.*

*Theoretical approaches and research methods in sociocultural anthropology. Emphasis on current debates, new directions, and their historical antecedents.*

|      |                         |                   |            |
|------|-------------------------|-------------------|------------|
| 0101 | Kathryn Lafrenz Samuels | Seats (Total: 35) |            |
|      | MW 12:00pm - 12:50pm    | WDS 1114          |            |
|      | F 12:00pm - 12:50pm     | WDS 1114          | Discussion |

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**ANTH380                      Culture and Discourse**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Contemporary discourse analysis and pragmatics applied to ethnographic research problems with particular attention to roots in recent linguistic anthropological work in ethnographic semantics and ethnography of speaking.*

|   |                     |                   |  |
|---|---------------------|-------------------|--|
| SG91  | Jacqueline Messing  | Seats (Total: 39) |  |
|   | Th 9:30am - 12:00pm | Location: TBA     |  |
| <i>Open only to Shady Grove Communication students and Anthropology majors.</i> |                     |                   |  |

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**ANTH386                      Experiential Learning**

(Perm req)

Credits: 1-6                      Grading Method: Regular,  
Pass-Fail

*Recommended: Completion of advanced courses in relevant subfield of anthropology recommended. Restriction: Permission of BSOS-Anthropology department; and junior standing or higher; and must be in Anthropology program.*

**Contact department for information to register for this course.**

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**ANTH398A                      Independent Study; Research Problems**

(Perm req)

Credits: 1-3                      Grading Method: Regular

*Independent interdisciplinary research and reading in specific areas of anthropology.*

**Contact department for information to register for this course.**

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**ANTH398C                      Independent Study; The Mediterranean World**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Independent interdisciplinary research and reading in specific areas of anthropology.*

**Contact department for information to register for this course.**

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**ANTH398E      Independent Study; Bodies and Burials**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Independent interdisciplinary research and reading in specific areas of anthropology.*

**Contact department for information to register for this course.**

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**ANTH398G      Independent Study; Ethnicity, Race and Nationality in Europe**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Independent interdisciplinary research and reading in specific areas of anthropology.*

**Contact department for information to register for this course.**

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**ANTH398H      Independent Study; Social Anthropology of Britain (Honors)**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Independent interdisciplinary research and reading in specific areas of anthropology.*

**Contact department for information to register for this course.**

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**ANTH398I      Independent Study; Great Kingdoms of Ancient Near East**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Independent interdisciplinary research and reading in specific areas of anthropology.*

**Contact department for information to register for this course.**

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**ANTH398J      Independent Study; Archaeology Practicum**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Independent interdisciplinary research and reading in specific areas of anthropology.*

**Contact department for information to register for this course.**

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**ANTH398K      Independent Study; Archaeology of Roman Identity**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Independent interdisciplinary research and reading in specific areas of anthropology.*

**Contact department for information to register for this course.**

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**ANTH398L      Independent Study; Social Anthropology of Britain**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Independent interdisciplinary research and reading in specific areas of anthropology.*

**Contact department for information to register for this course.**

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**ANTH398N      Independent Study; Career Development for Anthropology Majors**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Independent interdisciplinary research and reading in specific areas of anthropology.*

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|------|-------------------|-------------------|
| 0101 | Erik Hanson       | Seats (Total: 15) |
|      | W 1:00pm - 1:50pm | WDS 1131          |

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**ANTH411      Anthropology of Im/migration and Health**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: ANTH411 or ANTH611.*

*The United Nations estimates that some 230 million people around the world are migrants who live outside their country of birth. This course focuses on these migrant populations, considering the implications of movement across borders and settlement in new societies on their health and well-being. We will investigate the social, political, and economic structures that shape disease and illness and produce differential access to health care for migrants. Within that context, we will explore the health effects of migration itself and particular health conditions from which migrants suffer. We will also examine how migrants interface with differently configured health care systems as well as strategies they and their advocates use to promote health and well-being.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Christina Getrich      | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | WDS 1114          |

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**ANTH412      Hypermarginality and Urban Health**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: ANTH412 or ANTH612.*

*Using perspectives from medical and urban anthropology, we examine the phenomenon of hypermarginality--the clustering of extreme poverty, chronic disease, addiction, violence and trauma in certain social and spatial contexts, often urban. We will explore both the broader social, political, and economic structures of exclusion that produce hypermarginality, as well as the illness experiences associated with these conditions. As we consider both social suffering and the related institutional responses, we will also discuss the role of anthropological approaches in national discussions about health inequities.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Andrea Lopez         | Seats (Total: 20) |
|      | TuTh 3:30pm - 4:45pm | KEY 0125          |

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**ANTH414      Women's Health: Ethnographic Approaches to Reproduction and Politics**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: ANTH414 or ANTH624.*

*Ethnographic and cross-cultural approaches to women's health domestically and globally, with particular attention to the ways in which morality, politics, local meanings, and the state influence women's reproductive health outcomes. Gendered, ethnic, and class dimensions that underlie patterning of disease and illness will be explored, with special attention to the long-term health effects of racism, poverty, structural violence, and sexism.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Alison Heller         | Seats (Total: 20) |
|      | TuTh 9:30am - 10:45am | ASY 3207          |

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**ANTH433      Archaeology of Slavery: Classical, Caribbean and North American Contexts**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: ANTH433 or ANTH633.*

*Has slavery always existed? Does it come and go? North American plantation archaeology has become one of the foundations for understanding African American culture from the 1960s. Slavery in Antiquity existed in Greece and Rome on large scales and was essential to making commercial agriculture profitable work. Slavery in the Caribbean showed Europeans how to make a profit from African bodies. Trafficking in human persons today is recorded by the U.S. State Department annually and is regarded as modern slavery. These varying contexts of slavery will be compared in an attempt to understand slavery scientifically.*

Also offered as AASP498T, AMST428D, ARCH428L, ARCH628L, ANTH633, and HIST428L. Credit granted for ANTH433, ANTH633, ARCH428L, ARCH628L, AASP498T, or HIST428L.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Mark Leone         | Seats (Total: 20) |
|      | Tu 2:00pm - 4:45pm | WDS 1130          |

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**ANTH447      Material Culture Studies in Archaeology**

Credits: 3      Grading Method: Regular,      General Education: DSSP  
                          Pass-Fail, Audit

*Prerequisite: ANTH240. Credit only granted for: ANTH447, ANTH448C, ANTH647, or ANTH689C. Formerly: ANTH448C.*

*An in-depth introduction to the world of material culture studies with focus on the methods and theories in historical archaeology. Students will look at archaeological data as historical documents, commodities and as symbols expressing ideas.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Stephen Brighton      | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | WDS 1130          |

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**ANTH452      Anthropology and Climate Change**

Credits: 3      Grading Method: Regular,  
                          Pass-Fail, Audit

*Prerequisite: ANTH220, ANTH222, ANTH240, or ANTH260. Credit only granted for: ANTH468C, ANTH689C, ANTH452, ANTH652. Formerly: ANTH468C.*

*Human activities now influence ongoing global climatic change, and the outcome remains uncertain for communities and cultures around the world. This interaction between humans and climate provides a rich area of study for anthropologists in an interdisciplinary context. Case studies of historic and contemporary evidence will be used to understand impacts of global climate change and assess opportunities and barriers to successful responses and adaptation.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Jana Kopelentova Rehak | Seats (Total: 20) |
|      | Tu 2:00pm - 4:45pm     | HBK 1108          |

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**ANTH462      Amazon Through Film**

Credits: 3      Grading Method: Regular,  
                          Pass-Fail, Audit

*Credit only granted for: ANTH468D or ANTH462. Formerly: ANTH468D.*

*An interdisciplinary course that utilizes film to consider the Amazon basin, its history, peoples, and landscapes through cinematic representations. The course places the films in the context of film history and critical theory. The course takes into consideration the Brazilian, North American, Mexican, European and Argentine creators of the films and their visions of Amazonia, as well as the audiences and markets to which the films are intended.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Janet Chernela    | Seats (Total: 31) |
|      | M 2:00pm - 4:45pm | SQH 1107          |

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#### **ANTH464 Anthropology of Cultural Heritage**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSSP

*Prerequisite: ANTH260. Credit only granted for: ANTH469T, ANTH689T, ANTH464, ANTH664. Formerly: ANTH469T.*

*A global exploration of how the past is remade in the present. Covers the breadth of scope and specific interventions of heritage practice at the global scale, including the social, political, economic, and ethical dimensions of cultural heritage.*

|      |                         |                   |
|------|-------------------------|-------------------|
| 0101 | Kathryn Lafrenz Samuels | Seats (Total: 20) |
|      | M 2:00pm - 4:45pm       | TYD 0111          |

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#### **ANTH468W Special Topics in Cultural Anthropology; Performativity of Law and Justice**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Advanced courses in varying specialty areas of cultural anthropology that respond to new theoretical developments, faculty research interests, or specialties of visiting scholars.*

Law is theatre, sport, and business. True stories are creatively told to select audiences and stakes are high. This class will explore the performances and performative power of courtroom trials and testimony, as well as offstage legal culture. We will examine notions of truth, evidence, reason, and justice, and will analyze examples from both the everyday and the sensational.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Laurie Frederik Meer | Seats (Total: 20) |
|      | TuTh 2:00pm - 3:15pm | PAC 1809          |

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#### **ANTH476 Senior Research**

(Perm req)      Credits: 3-4      Grading Method: Regular, Pass-Fail, Audit

*Restriction: Must be in Anthropology program. Credit only granted for: ANTH476 or ANTH486.*



*Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of a senior thesis in anthropology.*

**Contact department for information to register for this course.**

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**ANTH477**

**Senior Thesis**

(Perm req)

Credits: 3-4

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ANTH476. Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program. Credit only granted for: ANTH477 or ANTH487.*

*Capstone course in which students write a senior thesis on independent research into a current problem in anthropology. The thesis is defined before a committee of faculty.*

**Contact department for information to register for this course.**

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**ANTH485**

**Honors Research Preparation**

(Perm req)

Credits: 3

Grading Method: Regular

*Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and must be admitted to University Honors Program or Anthropology Honors Program. Credit only granted for: ANTH486 or ANTH476.*

*Honors Research Preparation is an independent study course during which the Honors candidate will work with their Honors Thesis Advisor to establish not only the structure of the thesis and timeline, but also the formation of Thesis Review Committee.*

**Contact department for information to register for this course.**

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**ANTH486**

**Honors Research**

(Perm req)

Credits: 3-4

Grading Method: Regular

*Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and must be admitted to University Honors Program or Anthropology Honors Program. Credit only granted for: ANTH486 or ANTH476.*

*Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of an honors thesis in anthropology.*

**Contact department for information to register for this course.**

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**ANTH487**

**Honors Thesis**

(Perm req)

Credits: 3-4

Grading Method: Regular

*Prerequisite: ANTH486. Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and must be admitted to University Honors Program or Anthropology Honors Program. Credit only granted for: ANTH487 or ANTH477.*

*Capstone course in which students write a thesis on the results of independent research into a current problem in anthropology.*

**Contact department for information to register for this course.**

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**ANTH601****Applied Anthropology**

Credits: 3                      Grading Method: Regular

*An overview of the history and current practices of applied anthropology. This includes relationships between applied anthropology and other major subfields of the profession; the interdisciplinary and public context of applied anthropology; and problems of significance, utility, and ethics associated with applied anthropology.*

Offered fall only. For ANTH majors only.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Michael Paolisso   | Seats (Total: 20) |
|      | Tu 5:00pm - 7:40pm | WDS 1130          |

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**ANTH606****Qualitative Methods in Applied Anthropology**

Credits: 3                      Grading Method: Regular,  
Audit

*An introduction to the use of ethnography and qualitative methods in applied and policy contexts. Qualitative methods discussed include informal and systematic approaches. Students undertake fieldwork in local settings to practice the qualitative methods and to develop analysis and report writing skills.*

Offered fall only. For Anth majors only.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Thurka Sangaramoorthy | Seats (Total: 20) |
|      | W 12:00pm - 2:45pm    | BPS 1228          |

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**ANTH611****Anthropology of Im/migration and Health**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: ANTH411 or ANTH611.*

*The United Nations estimates that some 230 million people around the world are migrants who live outside their country of birth. This course focuses on these migrant populations, considering the implications of movement across borders and settlement in new societies on their health and well-being. We will investigate the social, political, and economic structures that shape disease and illness and produce differential access to health care for migrants. Within that context, we will explore the health effects of migration itself and particular health conditions from which migrants suffer. We will also examine how migrants interface with differently configured health care systems as well as strategies they and their advocates use to promote health and well-being.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Christina Getrich      | Seats (Total: 10) |
|      | TuTh 11:00am - 12:15pm | WDS 1114          |

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## **ANTH612      Hypermarginality and Urban Health**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Also offered as: ANTH412. Credit only granted for: ANTH412 or ANTH612.*

*Using perspectives from medical and urban anthropology, we examine the phenomenon of hypermarginality--the clustering of extreme poverty, chronic disease, addiction, violence and trauma in certain social and spatial contexts, often urban. We will explore both the broader social, political, and economic structures of exclusion that produce hypermarginality, as well as the illness experiences associated with these conditions. As we consider both social suffering and the related institutional responses, we will also discuss the role of anthropological approaches in national discussions about health inequities.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Andrea Lopez         | Seats (Total: 10) |
|      | TuTh 3:30pm - 4:45pm | KEY 0125          |

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## **ANTH624      Women's Health: Ethnographic Approaches to Reproduction and Politics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: ANTH414 or ANTH624.*

*Ethnographic and cross-cultural approaches to women's health domestically and globally, with particular attention to the ways in which morality, politics, local meanings, and the state influence women's reproductive health outcomes. Gendered, ethnic, and class dimensions that underlie patterning of disease and illness will be explored, with special attention to the long-term health effects of racism, poverty, structural violence, and sexism.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Alison Heller         | Seats (Total: 20) |
|      | TuTh 9:30am - 10:45am | ASY 3207          |

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**ANTH633****Archaeology of Slavery: Classical, Caribbean and North American Contexts**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: ANTH433 or ANTH633.*

*Has slavery always existed? Does it come and go? North American plantation archaeology has become one of the foundations for understanding African American culture from the 1960s. Slavery in Antiquity existed in Greece and Rome on large scales and was essential to making commercial agriculture profitable work. Slavery in the Caribbean showed Europeans how to make a profit from African bodies. Trafficking in human persons today is recorded by the U.S. State Department annually and is regarded as modern slavery. These varying contexts of slavery will be compared in an attempt to understand slavery scientifically.*

Also offered as AASP498T, AMST428D, ARCH428L, ARCH628L, and ANTH433. Credit only granted for ANTH433, ANTH633, ARCH428L, ARCH628L, or AASP498T.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Mark Leone         | Seats (Total: 10) |
|      | Tu 2:00pm - 4:45pm | WDS 1130          |

**ANTH647****Advanced Material Culture Studies in Archaeology**

Credits: 3                      Grading Method: Regular,  
Audit

*Credit only granted for: ANTH447, ANTH448C, ANTH647, or ANTH689C. Formerly: ANTH689C.*

*An in-depth introduction to the world of material culture studies with focus on the methods and theories in historical archaeology. Students will look at archaeological data as historical documents, commodities and as symbols expressing ideas.*

|      |                       |                  |
|------|-----------------------|------------------|
| 0101 | Stephen Brighton      | Seats (Total: 5) |
|      | TuTh 12:30pm - 1:45pm | WDS 1130         |

**ANTH652****Anthropology and Climate Change**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: ANTH468C, ANTH689C, ANTH452, ANTH652. Formerly: ANTH689C.*

*Human activities now influence ongoing global climatic change, and the outcome remains uncertain for communities and cultures around the world. This interaction between humans and climate provides a rich area of study for anthropologists in an interdisciplinary context. Case studies of historic and contemporary evidence will be used to understand impacts of global climate change and assess opportunities and barriers to successful responses and adaptation.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Jana Kopelentova Rehak | Seats (Total: 10) |
|      | Tu 2:00pm - 4:45pm     | HBK 1108          |

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**ANTH664 Anthropology of Cultural Heritage**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ANTH260. Credit only granted for: ANTH469T, ANTH689T, ANTH464, ANTH664. Formerly: ANTH689T.*

*A global exploration of how the past is remade in the present. Covers the breadth of scope and specific interventions of heritage practice at the global scale, including the social, political, economic, and ethical dimensions of cultural heritage.*

|      |                         |                   |
|------|-------------------------|-------------------|
| 0101 | Kathryn Lafrenz Samuels | Seats (Total: 10) |
|      | M 2:00pm - 4:45pm       | TYD 0111          |

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**ANTH688A Current Developments in Anthropology**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Detailed investigation of a current problem or research technique, the topic to be chosen in accordance with faculty interests and student needs.*

**Contact department for information to register for this course.**

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**ANTH689A Special Problems in Anthropology**

(Perm req)

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**ANTH701 Anthropology Internship Preparation**

Credits: 3      Grading Method: Regular,  
Audit

*Preparation for internship includes practicum training in development, presentation and evaluation of position papers, proposals and work plans; literature search and use of secondary data sources in decision making the effect cultural analysis and resource management; ethics and professional development for work in non-academic settings.*

**Contact department for information to register for this course.**

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**ANTH712 Anthropology Internship Analysis**

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: ANTH789.*

*The preparation and presentation of internship results, and the development of skills in report writing and presentation. Includes the completion of a professional quality report or publishable paper based on the internship experience.*

**Contact department for information to register for this course.**

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**ANTH760**

**Development of Social/Cultural Theory**

Credits: 3

Grading Method: Regular,  
Audit

*A broad perspective of the history of social cultural theory in anthropology and the critical skills needed for understanding the subdiscipline is provided. An overview of the history of theorizing about society and culture will help outline the past, present, and future of anthropology and its relations with other scientific and humanistic disciplines.*

For Anth majors only.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Janet Chernela    | Seats (Total: 20) |
|      | M 6:00pm - 8:45pm | WDS 1130          |

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**ANTH788**

**Internship Research**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Audit

*This course augments ANTH 789 and is graded in conjunction with it.*

**Contact department for information to register for this course.**

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**ANTH789**

**Internship**

(Perm req)

Credits: 3-6

Grading Method: Regular,  
Audit

*Individual instruction course supervised by a department faculty member.*

**Contact department for information to register for this course.**

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**ANTH856**

**Museum Research Seminar**

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: HIST610. Also offered as: HIST810, AMST856. Credit only granted for: ANTH856, AMST856, or HIST810.*

*A research seminar focusing on the practice and presentation of cultural and historical scholarship in museums and historical sites. Students will complete an original research project on the challenges and opportunities of public exhibition and interpretation of cultural and historical research.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Elsa Barkley Brown | Seats (Total: 15) |
|      | W 4:00pm - 6:40pm  | TWS 1313          |

## **ANTH857 Museum Scholarship Practicum**

Credits: 3-6      Grading Method: Regular

*Prerequisite: HIST810. Restriction: Permission of Museum Scholarship Program required. Also offered as: HIST811, AMST857. Credit only granted for: ANTH857, AMST857, or HIST811.*

*Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.*

|      |   |                  |
|------|---|------------------|
| 0101 | Mary Alexander                                | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |
| 0401 | Mary Sies                                     | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |

## **ANTH898 Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

## **ANTH899 Doctoral Dissertation Research**

(Perm req)

Credits: 6      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

# **AOSC Atmospheric and Oceanic Science Fall 2017**

## **AOSC123 Causes and Implications of Global Change**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: PS      General Education: DSNS, SCIS

*Also offered as: GEOL123. Credit only granted for: AOSC123, GEOG123, GEOL123, or METO123. Formerly: METO123.*

*Responsible policy and decision making on issues related to the global environment requires understanding of the basic scientific issues, relationships between the geophysical and biological sciences, the impacts on regional and global endeavors, and the political manner in which humans respond. This course embodies an integrated introduction to the broad scientific and social aspects of the global change problem.*

|      |                               |                   |            |
|------|-------------------------------|-------------------|------------|
| 0101 | Michael Gerst, Melissa Kenney | Seats (Total: 32) |            |
|      | MW 12:00pm - 12:50pm          | ATL 2416          |            |
|      | F 12:00pm - 12:50pm           | ATL 2416          | Discussion |

## AOSC200

### Weather and Climate

|            |  |          |   |
|------------|--|----------|---|
| Credits: 3 | Grading Method: Regular,<br>Pass-Fail, Audit | CORE: PS | General Education: DSNL (if<br>taken with AOSC201), DSNS,<br>SCIS |
|------------|--|----------|---|

*Prerequisite: MATH107, MATH110, or MATH115. Recommended: Concurrent enrollment in AOSC201. Formerly: METO200.*

*Broad survey of the state of knowledge and problems of atmospheric science. Origin and structure of the atmosphere, meteorological observations, weather maps, forecasting, satellites, energetics, wind, general circulation, storms, severe weather, climate change, air pollution.*

*A Marquee Science and Technology Course designed for Non-Science Majors:  
<http://www.marqueecourses.umd.edu/> Click here for more Marquee course information.*

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0101 | Timothy Canty         | Seats (Total: 30) |            |
|      | TuTh 12:30pm - 1:45pm | ATL 2324          |            |
|      | W 1:00pm - 1:50pm     | ATL 2416          | Discussion |
| 0102 | Timothy Canty         | Seats (Total: 30) |            |
|      | TuTh 12:30pm - 1:45pm | ATL 2324          |            |
|      | W 2:00pm - 2:50pm     | BPS 1232          | Discussion |
| 0103 | Timothy Canty         | Seats (Total: 30) |            |
|      | TuTh 12:30pm - 1:45pm | ATL 2324          |            |
|      | W 3:00pm - 3:50pm     | BPS 1232          | Discussion |
| 0104 | Timothy Canty         | Seats (Total: 30) |            |
|      | TuTh 12:30pm - 1:45pm | ATL 2324          |            |
|      | W 2:00pm - 2:50pm     | EGR 2154          | Discussion |



|      |  |   |            |
|------|--|---|------------|
| 0201 | Timothy Canty<br>TuTh 2:00pm - 3:15pm<br>W 2:00pm - 2:50pm | Seats (Total: 30)<br>ATL 2324<br>CHM 0122 | Discussion |
| 0202 | Timothy Canty<br>TuTh 2:00pm - 3:15pm<br>W 3:00pm - 3:50pm | Seats (Total: 30)<br>ATL 2324<br>EGR 2116 | Discussion |
| 0203 | Timothy Canty<br>TuTh 2:00pm - 3:15pm<br>M 1:00pm - 1:50pm | Seats (Total: 30)<br>ATL 2324<br>ATL 2416 | Discussion |
| 0204 | Timothy Canty<br>TuTh 2:00pm - 3:15pm<br>M 2:00pm - 2:50pm | Seats (Total: 30)<br>ATL 2324<br>EGR 2154 | Discussion |
| 0301 | Rachel Pinker<br>TuTh 11:00am - 12:15pm                    | Seats (Total: 25)<br>ATL 2316             |            |

## AOSC201

### Weather and Climate Laboratory

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit      CORE: PL

*Corequisite: AOSC200. Formerly: METO201.*

*Laboratory exercises to supplement AOSC200, including weather observations, weather map analysis, use of the Internet, forecasting practice and climate modeling.*

Students must pay a \$50.00 laboratory materials fee.

|      |   |                               |     |
|------|---|-------------------------------|-----|
| 0101 | William Leslie<br>Tu 3:30pm - 5:30pm    | Seats (Total: 26)<br>ATL 3426 | Lab |
| 0102 | Jebidiah Jeffery<br>W 10:00am - 12:00pm | Seats (Total: 26)<br>ATL 3426 | Lab |
| 0103 | Casey Joseph<br>F 10:00am - 12:00pm     | Seats (Total: 26)<br>ATL 3426 | Lab |
| 0104 | Ryan Bolt<br>W 4:00pm - 6:00pm          | Seats (Total: 26)<br>ATL 3426 | Lab |

|      |  |                               |     |
|------|--|-------------------------------|-----|
| 0105 | Katherine Lenninger<br>M 2:00pm - 4:00pm     | Seats (Total: 26)<br>ATL 3426 | Lab |
| 0106 | Katherine Lenninger<br>Tu 10:00am - 12:00pm  | Seats (Total: 26)<br>ATL 3426 | Lab |
| 0107 | Alexander Kaltenbaugh<br>M 10:00am - 12:00pm | Seats (Total: 26)<br>ATL 3426 | Lab |
| 0108 | William Leslie<br>F 2:00pm - 4:00pm          | Seats (Total: 26)<br>ATL 3426 | Lab |
| 0109 | Rachel Pinker<br>Tu 1:00pm - 3:00pm          | Seats (Total: 25)<br>ATL 3426 | Lab |

## AOSC375

### Introduction to the Blue Ocean

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Also offered as: GEOL375. Credit only granted for: GEOL375 or METO375.*

*Oceans are an important component of the Earth System and this course builds towards Earth System Science education. Oceanography is an intrinsically interdisciplinary subject with strong connections to astronomy (tidal forces), biology (ecosystems), geography (world climate), geology (sea floor tectonics), and physics (waves). We begin with the history of ocean exploration and origin of Earth and life and learn about properties of seawater, air-sea interactions, atmospheric and oceanic circulation, El Nino-Southern Oscillation, waves, tides, and tsunamis.*

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Raghu Murtugudde<br>TuTh 11:00am - 12:15pm | Seats (Total: 23)<br>ATL 1109 |
|------|--|-------------------------------|

## AOSC400

### Physical Meteorology of the Atmosphere

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (PHYS171, PHYS161, MATH141); or permission of CMNS-Atmospheric & Oceanic Science department. Formerly: METO400.*

*The application of basic classical physics, chemistry and mathematics to the study of the atmosphere. Composition of the atmosphere; energy sources and sinks (radiation in the atmosphere; radiative balance and radiative forcing of atmospheric processes); atmospheric thermodynamics; clouds and precipitation physics; atmospheric electricity and optics; mesoscale processes (e.g., orographic mesoscale phenomena and instabilities); air mass boundaries; severe weather, tropical cyclones; storms; global circulation.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Isaac Moradi           | Seats (Total: 32) |
|      | TuTh 11:00am - 12:15pm | ATL 2416          |

## **AOSC420 Physical Oceanography**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH141 and PHYS141. Recommended: AOSC200. Also offered as: AOSC670, GEOL670. Credit only granted for: AOSC420, AOSC670, or GEOL670.*

*Ocean observations. Water masses, sources of deep, intermediate, and surface water. Mass, heat, and salt transport, and the meridional overturning circulation. Geochemical tracers and cycles, including carbon. Western boundary currents, mixed layers, and processes maintaining the thermocline. Coastal and estuarine processes. Surface waves and tides. the ocean's role in climate.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | James Carton       | Seats (Total: 12) |
|      | MW 3:15pm - 4:30pm | ATL 2416          |

## **AOSC431 Atmospheric Thermodynamics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (PHYS171, PHYS161, MATH141). Recommended: MATH246. Credit only granted for: AOSC431 or METO431. Formerly: METO431.*

*Classical thermodynamics applied to both the dry and the moist atmosphere. Composition; phase changes of water; stability concepts; Properties of aerosols and clouds, cloud nucleation and precipitation processes, atmospheric electricity, cloud and precipitation chemistry.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Ning Zeng             | Seats (Total: 25) |
|      | TuTh 9:30am - 10:45am | ATL 2416          |
| AM01 | Ning Zeng             | Seats (Total: 1)  |
|      | TuTh 9:30am - 10:45am | ATL 2416          |

## **AOSC470 Synoptic Meteorology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in AOSC431 and AOSC432. Credit only granted for: AOSC470, AOSC600, or METO600.*

*Atmospheric properties and observations, meteorological analysis and charts, operational numerical forecasts. Application of quasigeostrophic theory, baroclinic instability, midlatitude and mesoscale weather systems. Tropical meteorology. Weather forecasting using numerical and statistical models. Prediction of weather phenomena on the global, synoptic, meso, and local scales. Analysis of surface and upper air data; Norwegian cyclone model; introduction to weather forecasting.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Daryl Kleist         | Seats (Total: 20) |
|      | TuTh 5:00pm - 6:15pm | ATL 2416          |

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**AOSC493                      Senior Research Project I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Permission of CMNS-Atmospheric & Oceanic Science department. Restriction: Must be in Atmospheric and Oceanic Science program. Or must not be in Atmospheric and Oceanic Science program; and permission of instructor.*

*Technical writing and oral presentation skills. Planning, writing, and presenting a plan for research in the geosciences.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Timothy Canty     | Seats (Total: 10) |
|      | M 2:00pm - 3:00pm | Location: TBA     |
|      | F 2:00pm - 3:30pm | Location: TBA     |

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**AOSC494                      Atmospheric and Oceanic Science Seminar**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in AOSC431 and AOSC432.*

*Exposure to a wide range of contemporary topics in atmospheric, oceanic and climate sciences, to foster research interests and promote critical thinking through the weekly AOSC departmental seminar series.*

|      |                             |                   |
|------|-----------------------------|-------------------|
| 0101 | Raghu Murtugudde, Ning Zeng | Seats (Total: 20) |
|      | Th 3:30pm - 5:00pm          | ATL 2400          |

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**AOSC498                      Senior Research Project II**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The project will be based on the research or development plan created i AOSC493. It may be completed with the approval of a faculty advisor in conjunction with an internship. Final written thesis and oral defense will be expected.*

**Contact department for information to register for this course.**

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**AOSC499                      Special Problems in Atmospheric Science**

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Research or special study in the field of meteorology and the atmospheric and oceanic sciences.*

**Contact department for information to register for this course.**

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**AOSC600                      Synoptic Meteorology I**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: AOSC610. Credit only granted for: AOSC470 or AOSC600. Formerly: METO600.*

*Atmospheric properties and observations, meteorological analysis and charts, operational numerical forecasts. Application of quasigeostrophic theory, baroclinic instability, midlatitude and mesoscale weather systems. Tropical meteorology.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Daryl Kleist         | Seats (Total: 10) |
|      | TuTh 5:00pm - 6:15pm | ATL 2416          |
| AM01 | Daryl Kleist         | Seats (Total: 1)  |
|      | TuTh 5:00pm - 6:15pm | ATL 2416          |

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**AOSC610                      Dynamics of the Atmosphere and Ocean I**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: Must have completed or be concurrently enrolled in MATH462; or students who have taken courses with comparable content may contact the department. Formerly: METO610.*

*Equations of motion and their approximation, scale analysis for the atmosphere and the ocean. Conservation properties. Fluid motion in the atmosphere and oceans. Circulation and vorticity, geostrophic motion and the gradient wind balance. Turbulence and Ekman Layers.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Sumant Nigam        | Seats (Total: 30) |
|      | MWF 9:00am - 9:50am | ATL 2428          |

|      |                     |                  |
|------|---------------------|------------------|
| AM01 | Sumant Nigam        | Seats (Total: 1) |
|      | MWF 9:00am - 9:50am | ATL 2428         |

#### **AOSC614      Atmospheric Modeling, Data Assimilation and Predictability**

Credits: 3                      Grading Method: Regular

*Prerequisite: AOSC610; or permission of instructor.*

*Solid foundation for atmospheric and oceanic modeling and numerical weather prediction: numerical methods for partial differential equations, an introduction to physical parameterizations, modern data assimilation, and predictability.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Eugenia Kalnay      | Seats (Total: 20) |
|      | W 10:00am - 12:30pm | ATL 3400          |
| AM01 | Eugenia Kalnay      | Seats (Total: 1)  |
|      | W 10:00am - 12:30pm | ATL 3400          |

#### **AOSC620      Physics and Chemistry of the Atmosphere I**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: MATH461; or students who have taken courses with comparable content may contact the department. Formerly: METO620.*

*Air parcel thermodynamics and stability; constituent thermodynamics and chemical kinetics. Cloud and aerosol physics and precipitation processes.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Russell Dickerson    | Seats (Total: 25) |
|      | TuTh 2:00pm - 3:15pm | ATL 2416          |
| AM01 | Russell Dickerson    | Seats (Total: 1)  |
|      | TuTh 2:00pm - 3:15pm | ATL 2416          |

#### **AOSC652      Analysis Methods in Atmospheric and Oceanic Science**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: PHYS141 and MATH241; or students who have taken courses with comparable content may contact the department. Recommended: AMSC460, CMSC660, AMSC660, or CMSC460.*

*A variety of the analysis methods used by atmospheric and oceanic scientists will be applied to observational data sets such as Vostok ice core record, temperature trends, and satellite measurements of ozone, sea ice, etc. in a hands-on, computer laboratory setting. Students will be exposed to Fortran and Python as well as modern file formats such as HDF and netCDF. No prior programming experience required.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Jeffrey Henrikson    | Seats (Total: 24) |
|      | MWF 12:45pm - 1:50pm | ATL 3426          |
| AM01 | Jeffrey Henrikson    | Seats (Total: 1)  |
|      | MWF 12:45pm - 1:50pm | ATL 3426          |

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### **AOSC658E      Special Topics in Meteorology; Data Assimilation**

Credits: 3                      Grading Method: Regular,  
   Audit

*Various special topics in meteorology are given intensive study. The topic of concentration varies, from semester to semester and depends on student and faculty interests. Often, specialists from other institutions are invited to the campus on a visiting lectureship basis to conduct the course.*

**Contact department for information to register for this course.**

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### **AOSC658L      Special Topics in Meteorology; Ice and Climate**

Credits: 3                      Grading Method: Regular,  
   Audit

*Various special topics in meteorology are given intensive study. The topic of concentration varies, from semester to semester and depends on student and faculty interests. Often, specialists from other institutions are invited to the campus on a visiting lectureship basis to conduct the course.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Derrick Lampkin       | Seats (Total: 27) |
|      | TuTh 12:30pm - 1:45pm | ITV 1100          |

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### **AOSC670      Physical Oceanography**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: Permission of CMNS-Atmospheric & Oceanic Science department. Also offered as: AOSC420, GEOL670. Credit only granted for: GEOL670, AOSC670 or AOSC420.*

*Ocean observations. Water masses, sources of deep water. Mass, heat, and salt transport, geochemical tracers. Western boundary currents, maintenance of the thermocline. Coastal and estuarine processes. Surface waves and tides. Ocean climate.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | James Carton       | Seats (Total: 11) |
|      | MW 3:15pm - 4:30pm | ATL 2416          |
| AM01 | James Carton       | Seats (Total: 1)  |
|      | MW 3:15pm - 4:30pm | ATL 2416          |

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## **AOSC680 Introduction to Earth System Science**

Credits: 3      Grading Method: Regular,  
Audit

*An introduction to the study of the earth as a system: atmosphere, oceans, land, cryosphere, solid earth, and humans. Cycling of materials and energy in the earth system: the energy cycle, the hydrologic cycle, the carbon cycle, the nitrogen cycle. Climate processes and variability: land-atmosphere, ocean-atmosphere, biosphere-climate, and human interactions, short- and long-term variability in climate.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Raghu Murtugudde      | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | ATL 1114          |
| AM01 | Raghu Murtugudde      | Seats (Total: 1)  |
|      | TuTh 12:30pm - 1:45pm | ATL 1114          |

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## **AOSC798 Directed Graduate Research**

Credits: 1-3      Grading Method: Sat-Fail  
**Contact department for information to register for this course.**

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## **AOSC898 Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail  
**Contact department for information to register for this course.**

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## **AOSC899 Doctoral Dissertation Research**

(Perm req)      Credits: 6      Grading Method: Sat-Fail  
**Contact department for information to register for this course.**

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# **ARAB      Arabic** **Fall 2017**

**ARAB104      Elementary Modern Standard Arabic I-II**



Credits: 6                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a fluent/native speaker of Arabic.*

*An intensive course focusing on developing functional proficiency in the standard Arabic language, both written and formal spoken. Begins with script and phonology, and develops into a limited range of situation-based texts and topics that build vocabulary, grammar, general communicative competence and cultural awareness.*

Seats will be opened gradually by the registrar's office, to a total of 15 seats per section.

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Dina El-Hefnawy<br>MWF 10:00am - 11:50am              | Seats (Total: 15)<br>JMZ 1103 |
| 0201 | Ahmed Hanafy, Zein El-Amine<br>MWF 2:00pm - 3:50pm    | Seats (Total: 15)<br>JMZ 3120 |
| 0301 | Ahmed Hanafy, Peter Glanville<br>MWF 12:00pm - 1:50pm | Seats (Total: 15)<br>JMZ 3120 |
| 0401 | Dina El-Hefnawy<br>MWF 1:00pm - 2:50pm                | Seats (Total: 15)<br>HJP 2118 |

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**ARAB204                      Intermediate Modern Standard Arabic I**

Credits: 6                      Grading Method: Regular,                      CORE: HO  
Pass-Fail, Audit

*Prerequisite: ARAB105; and must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a fluent/native speaker of Arabic.*

*Covers topics related to contemporary Arabic society, literature and culture in standard written and formal spoken Arabic. Acquisition of more complex grammatical structures, expanding vocabulary, and reading, to develop a better understanding of the formal aspects of using MSA.*

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Lutf Alkebsi<br>MWF 12:00pm - 1:50pm   | Seats (Total: 15)<br>JMZ 0205 |
| 0201 | Zein El-Amine<br>MWF 10:00am - 11:50am | Seats (Total: 15)<br>HJP 3142 |

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**ARAB206                      Egyptian Colloquial Arabic I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARAB205; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not be a fluent/native speaker of Arabic.*

*Develops communicative skills and cultural knowledge in Egyptian Arabic. Focuses on various social interactions, work and school situations, as well as specifics of pronunciation and grammar of the Egyptian dialect. Designed for students who have completed two years of the regular Arabic sequence classes (104-105 and 204-205) or equivalent.*

Prerequisite: ARAB205.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Sayed Elsis           | Seats (Total: 15) |
|      | TuTh 12:30pm - 1:45pm | JMZ 3118          |

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**ARAB207                      Egyptian Colloquial Arabic II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARAB206; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a fluent/native speaker of Arabic.*

*Further develops communicative skills and cultural knowledge in Egyptian Arabic, extending range of contexts and types of social interaction. Focuses on various aspects of Egyptian popular culture.*

**Contact department for information to register for this course.**

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**ARAB253                      The Arabian Nights and the Art of Storytelling**

Credits: 3                      Grading Method: Regular,                      General Education: DSHU  
Pass-Fail, Audit

*Credit only granted for: ARAB 298B or ARAB253. Formerly: ARAB298B.*

*One Thousand and One Nights (Arabic Kitab alf laylah wa laylah; English The Arabian Nights) is a collection of stories and folk tales compiled in Arabic during the Islamic Golden Age, and explores how this text has shaped Western perceptions of the Arabic-Islamic world as well as its impact on the literary production of similar works in Europe and the Middle East. Taught in English.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Sayed Elsis          | Seats (Total: 27) |
|      | TuTh 3:30pm - 4:45pm | JMZ 2117          |

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**ARAB304                      Advanced Modern Standard Arabic I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARAB205; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not be a fluent/native speaker of Arabic. Formerly: ARAB301.*

*Advanced grammar, reading, writing, speaking in Arabic; study of contemporary Arabic society, politics, and culture.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Zein El-Amine        | Seats (Total: 15) |
|      | TuTh 2:00pm - 3:15pm | JMZ 2120          |
|      | F 2:00pm - 2:50pm    | JMZ 2120 Lab      |
| 0201 | Lutf Alkebsi         | Seats (Total: 15) |
|      | MW 3:00pm - 4:15pm   | JMZ 2120          |
|      | F 3:00pm - 3:50pm    | JMZ 2120 Lab      |

## ARAB386

### Experiential Learning

Credits: 3-6      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of ARHU-School of Languages, Literatures, and Cultures department.*

*Pre-professional experience in research, analysis and writing in a work setting. Project proposal approved by faculty and internship sponsor. Junior standing.*

**Contact department for information to register for this course.**

## ARAB499E

### Special Topics in Arabic Studies; New Arab Media

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*In-depth study of particular aspect of Arabic culture, literature and language. Specific topic to be announced when course is offered.*

Prerequisite: ARAB 305. Taught in Arabic. This course introduces the students to the language of the Arabic news. This is done by using the text book by Elgibali and Korica, Media Arabic to be the guide for the themes in Media and a guide for the vocabulary. Students are reading and listening to fresh news from different Arabic media. In addition to that, they will also be reading and listening to analytical articles, editorials and excerpts from talk shows. Students have both reading and listening assignments that they will working on and responsible for at home. The course further develops the students' ability for both reading and listening comprehension that will be demonstrated through writing and speaking. It also enhances and widens the students range of vocabulary. Students are asked to write news based on the themes they are covering in the book and based on the fresh news they are reading and listening to. This is a content course that works on receptive and productive skills of the students.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Lutf Alkebsi          | Seats (Total: 18) |
|      | TuTh 12:30pm - 1:45pm | PLS 1115          |

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**ARAB4990 Special Topics in Arabic Studies; The Syrian Conflict**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*In-depth study of particular aspect of Arabic culture, literature and language. Specific topic to be announced when course is offered.*

Prerequisite: ARAB 305. Taught in Arabic. By Permission Only. Background and coverage of the Syrian conflict from 2011 to present day. Weekly readings in English and Arabic. Weekly writing in Arabic.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Zein El-Amine         | Seats (Total: 15) |
|      | TuTh 9:30am - 10:45am | JMZ 0208          |

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**ARAB499P Special Topics in Arabic Studies; Facing West: Al-Jabarti to Bin Laden**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*In-depth study of particular aspect of Arabic culture, literature and language. Specific topic to be announced when course is offered.*

Pre-requisite: ARAB 305 or permission. Taught in Arabic. A survey of Arab intellectual history focusing on views of and reactions to the West. Texts in English and Arabic. Discussion in Arabic. Weekly writing in Arabic.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Peter Glanville    | Seats (Total: 15) |
|      | MW 3:00pm - 4:15pm | HJP 2118          |

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**ARAB628A Special Topics in Arabic Studies; Arabic Audiovisual Discourses**

Credits: 3

Grading Method: Regular,  
Audit

*In-depth study of a particular aspect of Arabic Studies. Topics to be announced when course is offered. Taught in Arabic.*

**Contact department for information to register for this course.**

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**ARCH Architecture****Fall 2017****ARCH170 Design Thinking and Architecture**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: HA

General Education: DSHU

*Examines conceptual, perceptual, behavioral, and technical aspects of the built environment, and methods of analysis, problem-solving, and design implementation.*

|      |  |   |            |
|------|--|---|------------|
| 0101 | Ronit Eisenbach, Lindsey May<br>W 9:00am - 9:50am<br>Class time/details on ELMs<br>F 9:00am - 9:50am   | Seats (Total: 19)<br>ARC 0204<br>ONLINE<br>ARC 1101 | Discussion |
| 0102 | Lindsey May, Ronit Eisenbach<br>W 9:00am - 9:50am<br>Class time/details on ELMs<br>F 9:00am - 9:50am   | Seats (Total: 19)<br>ARC 0204<br>ONLINE<br>ARC 1103 | Discussion |
| 0103 | Lindsey May, Ronit Eisenbach<br>W 9:00am - 9:50am<br>Class time/details on ELMs<br>F 9:00am - 9:50am   | Seats (Total: 19)<br>ARC 0204<br>ONLINE<br>ARC 1105 | Discussion |
| 0104 | Ronit Eisenbach, Lindsey May<br>W 9:00am - 9:50am<br>Class time/details on ELMs<br>F 9:00am - 9:50am   | Seats (Total: 19)<br>ARC 0204<br>ONLINE<br>ARC 1111 | Discussion |
| 0105 | Ronit Eisenbach, Lindsey May<br>W 9:00am - 9:50am<br>Class time/details on ELMs<br>F 12:00pm - 12:50pm | Seats (Total: 19)<br>ARC 0204<br>ONLINE<br>ARC 1101 | Discussion |
| 0106 | Lindsey May, Ronit Eisenbach<br>W 9:00am - 9:50am<br>Class time/details on ELMs<br>F 12:00pm - 12:50pm | Seats (Total: 19)<br>ARC 0204<br>ONLINE<br>ARC 1103 | Discussion |
| 0107 | Lindsey May, Ronit Eisenbach<br>W 9:00am - 9:50am<br>Class time/details on ELMs<br>F 12:00pm - 12:50pm | Seats (Total: 19)<br>ARC 0204<br>ONLINE<br>ARC 1105 | Discussion |
| 0108 | Ronit Eisenbach, Lindsey May<br>W 9:00am - 9:50am<br>Class time/details on ELMs<br>F 12:00pm - 12:50pm | Seats (Total: 19)<br>ARC 0204<br>ONLINE<br>ARC 1111 | Discussion |

|   |                      |                   |
|---|----------------------|-------------------|
| FC01  | Marques King         | Seats (Total: 22) |
|   | TuTh 7:30pm - 8:45pm | ARC 1105          |
| <i>Restricted to students in Freshman Connection.</i> |                      |                   |

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## **ARCH171      Design Thinking and Making in Architecture**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in a major in ARCH-Architecture Program.*

*Examines iterative design processes and critical thinking skills through active learning and design thinking methodologies to solve problems and apply design as a lens of inquiry and exploration. Students will understand Design Thinking through interactive and experiential learning.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Michael Ambrose        | Seats (Total: 60) |
|      | TuTh 11:00am - 12:15pm | ARC 1103          |

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## **ARCH201      Elements and Principles of Architecture**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in a major in ARCH-Architecture Program.*

*Survey of fundamental elements and principals of architecture and architectural education. Frames study of architecture as a profession, discipline and critical practice.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Brian Kelly         | Seats (Total: 60) |
|      | M 11:00am - 11:50am | Location: TBA     |

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## **ARCH226      History of World Architecture II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Post-1500 - History of Architecture survey course - History of Architecture structured to develop critical thinking and visually literacy with regard to the worldwide legacy of design thinking and building innovation in architecture*

|      |                                 |                    |
|------|---------------------------------|--------------------|
| 0101 | Cynthia Field, Isabelle Gournay | Seats (Total: 120) |
|      | TuTh 3:30pm - 4:45pm            | ESJ 2204           |

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## **ARCH270      Design in Practice**

|            |  |                                  |
|------------|--|----------------------------------|
| Credits: 3 | Grading Method: Regular,<br>Pass-Fail, Audit | General Education: DSSP,<br>SCIS |
|------------|--|----------------------------------|

*Case studies and hands-on design projects ranging in scale from a product to a building to give students insight into the process by which architects work both individually and collaboratively to put disciplinary knowledge and expertise into practice to shape our built environment.*

*A Fearless Ideas Course from the Academy for Innovation & Entrepreneurship (AIE):  
<http://ter.ps/iamFEARLESS> Click here for more information on the Fearless Ideas Courses.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Madlen Simon         | Seats (Total: 90) |
|      | TuTh 2:00pm - 3:15pm | ARC 0204          |

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## **ARCH271      People, Planet, and Profit: Building Sustainable Places**

|            |  |                         |
|------------|--|-------------------------|
| Credits: 3 | Grading Method: Regular,<br>Pass-Fail, Audit | General Education: DSSP |
|------------|--|-------------------------|

*An introduction to the four disciplines represented in the School: architecture and urban design, community planning, historic preservation, and real estate development, that work to create a more sustainable environment for the future to create a more sustainable environment for the future using our interpretation of the quadruple bottom line: socio-cultural, economic, environmental, and design sustainability. Students will be provided with an understanding of the fundamental scholarship and processes of each of these disciplines and examine the intersections between them. Additionally, they will learn by applying the approaches of the four disciplines through a series of field studies.*

|      |                      |                    |
|------|----------------------|--------------------|
| 0101 | Heidi Bulich         | Seats (Total: 132) |
|      | TuTh 3:30pm - 4:45pm | ESJ 1224           |

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## **ARCH300      Design Media and Representation II**

|            |  |
|------------|--|
| Credits: 3 | Grading Method: Regular,<br>Pass-Fail, Audit |
|------------|--|

*Prerequisite: ARCH200; or permission of ARCH-Architecture Program. Restriction: Must be in a major in ARCH-Architecture Program.*

*Study of architectural representation in physical and digital design media. Examine visual communications and speculative visual studies through applied drawing, modeling and making to explore expanded roles of representation in design and design thinking.*

|      |                     |                               |
|------|---------------------|-------------------------------|
| 0101 | Matthew Geiss       | Seats (Total: 20)             |
|      | W 8:00am - 9:50am   | Location: TBA                 |
|      | W 10:00am - 11:50am | Location: TBA      Discussion |

|      |                     |                          |
|------|---------------------|--------------------------|
| 0102 | Matthew Geiss       | Seats (Total: 20)        |
|      | W 8:00am - 9:50am   | Location: TBA            |
|      | W 12:00pm - 1:50pm  | Location: TBA Discussion |
| 0103 | Matthew Geiss       | Seats (Total: 20)        |
|      | W 8:00am - 9:50am   | Location: TBA            |
|      | W 10:00am - 11:50am | Location: TBA Discussion |
| 0104 | Matthew Geiss       | Seats (Total: 20)        |
|      | W 8:00am - 9:50am   | Location: TBA            |
|      | W 12:00pm - 1:50pm  | Location: TBA Discussion |

### ARCH386

#### Experiential Learning

(Perm req)

Credits: 3-6

Grading Method: Regular,  
Pass-Fail

General Education: DSSP

*Restriction: Must have learning proposal approved by faculty sponsor and student's internship sponsor; and sophomore standing or higher; and permission of ARCH-Architecture Program.*

*Learning experience tied to internship of specified duration with targeted learning outcomes.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Michael Brick                                 | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

### ARCH401

#### Architecture Design Studio II

Credits: 6

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ARCH400. Restriction: Must be in Architecture (B.S.) program.*

*Continuation of ARCH 400 with introduction to building typology, urban and contextual issues, design of the vertical surface, and architectural interiors.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Georgeanne Matthews | Seats (Total: 54) |
|      | MWF 2:00pm - 6:00pm | Location: TBA     |
| 0102 | Andrew Linn         | Seats (Total: 15) |
|      | MWF 2:00pm - 6:00pm | Location: TBA     |
| 0103 | Tonya Ohnstad       | Seats (Total: 15) |
|      | MWF 2:00pm - 6:00pm | Location: TBA     |



|      |                     |                   |
|------|---------------------|-------------------|
| 0104 | Michael Abrams      | Seats (Total: 15) |
|      | MWF 2:00pm - 6:00pm | Location: TBA     |

## ARCH402

### Architecture Design Studio III

(Perm req)

Credits: 6

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP

*Prerequisite: Minimum grade of C- in ARCH401. Restriction: Must be in Architecture (B.S.) program.*

*Architectural design studio with emphasis on building and facade typologies, the development of architectural promenade and sequence, public and/or civic infill buildings dependent upon the architectural promenade, and urban housing types of varying densities. The architect's obligations to urban context are explored in many dimensions including historical, typological, and physical.*

Offered fall only.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Brittany Williams   | Seats (Total: 54) |
|      | MWF 2:00pm - 6:00pm | Location: TBA     |

## ARCH404

### Graduate Architecture Design Studio I

Credits: 6

Grading Method: Regular,  
Audit

*Recommended: For 3 1/2 year graduate students only. Restriction: Must be in Architecture (Master's) program.*

*Introduction to architectural design with particular emphasis on conventions and principles of architecture, visual and verbal communication skills, formal analysis, design process, spatial composition, architectural promenade, basic program distribution, and elementary constructional and environmental responses. Offered fall only.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Michael Ambrose     | Seats (Total: 12) |
|      | MWF 2:00pm - 6:00pm | Location: TBA     |

## ARCH406

### Graduate Architecture Design Studio III

Credits: 6

Grading Method: Regular,  
Audit

*Prerequisite: Minimum grade of C- in ARCH405. Restriction: Must be in Architecture (Master's) program.*

*Investigations into the relationship between the man-made and the natural world including introductory issues of assembly and material value. Design of the site and the building are combined into an integral process delimiting and probing the boundaries of each and exploring their reciprocal relationship. The architect's obligations to the natural and urban contexts are explored in many dimensions including historical, typological, environmental, and physical.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | James Tilghman      | Seats (Total: 16) |
|      | MWF 2:00pm - 6:00pm | Location: TBA     |

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**ARCH419      Independent Studies in Architectural Technology**

Credits: 1-4      Grading Method: Regular,  
Pass-Fail, Audit

*Proposed work must have a faculty sponsor and receive approval of the Architecture Program Curriculum Committee.*

|      |   |                  |
|------|---|------------------|
| 0101 | Ming Hu                                       | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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**ARCH426      History of Architecture II**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Permission of ARCH-Architecture Program. Credit only granted for: ARCH226 or ARCH426. Additional information: Graduate architecture history course requires additional recitation section and additional coursework tied to survey lectures.*

*Post-1500 - History of Architecture survey course - History of Architecture structured to develop critical thinking and visually literacy with regard to the worldwide legacy of design thinking and building innovation in architecture. Structured to nurture critical thinking and visually literacy with regard to the worldwide legacy of architecture. The work in the course will involve the evaluation of sources and arguments in reading architectural history. Architecture will be framed relative to ways of thinking, religious beliefs, cultural heritage, and cultural values.*

Offered fall only.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Christian Calleri    | Seats (Total: 10) |
|      | TuTh 6:30pm - 7:45pm | SQH 1125          |

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**ARCH428C      Selected Topics in Architectural History; City Beautiful Architecture and Urbanism in USA**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Selected Topics in Architectural History*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Cynthia Field        | Seats (Total: 15) |
|      | TuTh 2:00pm - 3:15pm | ARC 1101          |

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**ARCH428L**

**Selected Topics in Architectural History; Archaeology of Slavery: Classical, Caribbean and North American Contexts**

Credits: 1-4      Grading Method: Regular,  
Pass-Fail, Audit

*Selected Topics in Architectural History*

Also offered as AASP498T, ARCH628L, ANTH433 and ANTH633. Credit only granted for ANTH433, ANTH633, ARCH428L, ARCH628L, or AASP498T. Has slavery always existed? Does it come and go? North American plantation archaeology has become one of the foundations for understanding African American culture from the 1960s. Slavery in Antiquity existed in Greece and Rome on large scales and was essential to making commercial agriculture profitable work. Slavery in the Caribbean showed Europeans how to make a profit from African bodies. Trafficking in human persons today is recorded by the U.S. State Department annually and is regarded as modern slavery. These varying contexts of slavery will be compared in an attempt to understand slavery scientifically.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Mark Leone         | Seats (Total: 20) |
|      | Tu 2:00pm - 4:45pm | WDS 1130          |

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**ARCH429**

**Independent Studies in Architectural History**

(Perm req)

Credits: 1-4      Grading Method: Regular,  
Pass-Fail, Audit

*Proposed work must have a faculty sponsor and receive approval of the Architecture Program Curriculum Committee.*

Prerequisite: permission of department.

|      |   |                  |
|------|---|------------------|
| 0101 | Isabelle Gournay                              | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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**ARCH430**

**Measuring Sustainability in Architecture**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: ARCH430 or ARCH418M. Formerly: ARCH418M.*

*Studies metrics of sustainability as included in rating standards, including LEED. All students will take the LEED GA test.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Ralph Bennett        | Seats (Total: 50) |
|      | TuTh 5:00pm - 6:15pm | ARC 0204          |

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### ARCH443      **Visual Communication For Architects**

Credits: 3                      Grading Method: Regular

*Corequisite: ARCH400. Restriction: Must be in Architecture (Master's) program; and must be in the 3.5 year M. ARCH program.*

*Investigation of the relationship between drawing from life and architectural drawing, the conventions of architectural drawing and the role of architectural drawing as a means to develop, communicate, and generate architectural ideas.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Michael Abrams      | Seats (Total: 40) |
|      | W 10:00am - 12:40pm | ARC 1111          |

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### ARCH449      **Independent Studies in Visual Studies in Architecture**

(Perm req)

Credits: 1-4                      Grading Method: Regular,  
Pass-Fail, Audit

*Proposed work must have a faculty sponsor and receive approval of the Architecture Program Curriculum Committee.*

Prerequisite: permission of department.

|      |   |                  |
|------|---|------------------|
| 0101 | Instructor: TBA                               | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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### ARCH459      **Independent Studies in Urban Design**

Credits: 1-4                      Grading Method: Regular,  
Pass-Fail, Audit

*Proposed work must have a faculty sponsor and receive approval of the Architecture Program Curriculum Committee.*

|      |   |                  |
|------|---|------------------|
| 0101 | Instructor: TBA                               | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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### ARCH460      **Site Analysis and Design**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of ARCH-Architecture Program.*

*Principles and methods of site analysis; the influence of natural and man-made site factors on site design and architectural form.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Jana VanderGoot    | Seats (Total: 60) |
|      | F 9:30am - 12:00pm | Location: TBA     |

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## **ARCH462      Methods & Materials of Building Construction**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in a major in ARCH-Architecture Program; or must be in Construction Project Management Minor. Credit only granted for: ARCH410 or ARCH462.*

*Building Construction methods and materials are examined through case studies to explore the means and techniques applied to the material execution of buildings and BIM. Focus on an understanding of the organization of the design and construction process and awareness of building and zoning codes, material systems and types.*

|      |                       |                    |
|------|-----------------------|--------------------|
| 0101 | Ming Hu               | Seats (Total: 150) |
|      | TuTh 12:30pm - 1:45pm | ARC 0204           |

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## **ARCH464      Architectural Structures I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in a major in ARCH-Architecture Program. Credit only granted for: ARCH411 or ARCH464.*

*This course covers the basic principles of architectural structures, including the influence of geometric, sectional, and material properties related to flexure and shear in beam and framed systems; vector mechanics with application to analysis of trusses, catenaries, and arches; diagrammatic analysis of beams for bending moment, shear, and deflection as well as the study of structural framing systems for vertical and lateral loads.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Ming Hu               | Seats (Total: 70) |
|      | TuTh 9:30am - 10:45am | ARC 0204          |

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## **ARCH466      Environmental Systems in Architecture**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in a major in ARCH-Architecture Program. Credit only granted for: ARCH413 or ARCH466.*

*Environmental systems in architecture presents the theory, quantification, and architectural design implications for heating ventilating and air conditioning, water and waste, fire protection, electricity, illumination, acoustics, and vertical transportation.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Carl Bovill            | Seats (Total: 70) |
|      | TuTh 11:00am - 12:15pm | ARC 0204          |

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#### **ARCH467 Integrated Project Delivery**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in a major in ARCH-Architecture Program; or must be in Construction Project Management Minor.*

*Integrated Project Delivery is examined from design to implementation through an exploration of building construction, architectural design and construction management perspectives.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Michael Patric       | Seats (Total: 10) |
|      | TuTh 3:30pm - 4:45pm | ARC 1111          |

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#### **ARCH470 Computer Applications in Architecture**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARCH400; or permission of ARCH-Architecture Program. Restriction: Must be in Architecture (B.S.) program.*

*Introduction to computer utilization, with emphasis on architectural applications.*

|      |                    |                                   |
|------|--------------------|-----------------------------------|
| 0101 | Andrew Lindberg    | Seats (Total: 18)                 |
|      | Tu 7:00pm - 9:30pm | ARC 1115                          |
|      | Th 7:00pm - 8:15pm | ARC 1115                      Lab |

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#### **ARCH478J Selected Topics in Architecture; Adaptation**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected Topics in Architecture*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Michele Lamprakos     | Seats (Total: 15) |
|      | TuTh 9:30am - 10:45am | ARC 1111          |

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**ARCH478T      Selected Topics in Architecture; Ecological Design Thinking**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected Topics in Architecture*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Julie Gabrielli     | Seats (Total: 15) |
|      | M 10:00am - 12:40pm | ARC 1111          |

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**ARCH479      Independent Studies in Architecture**

(Perm req)

Credits: 1-4                      Grading Method: Regular,  
Pass-Fail, Audit

*Proposed work must have a faculty sponsor and receive approval of the Architecture Program Curriculum Committee.*

Prerequisite: permission of department.

|      |   |                  |
|------|---|------------------|
| 0101 | Instructor: TBA                               | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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**ARCH489      Independent Studies in Architectural Preservation**

(Perm req)

Credits: 1-4                      Grading Method: Regular,  
Pass-Fail, Audit

*Proposed work must have a faculty sponsor and receive approval of the Architecture Program Curriculum Committee.*

Prerequisite: permission of department.

|      |   |                  |
|------|---|------------------|
| 0101 | Instructor: TBA                               | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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**ARCH600      Integrated Design Studio V**

(Perm req)

Credits: 6                      Grading Method: Regular,  
Audit

*Corequisite: ARCH611. Restriction: Permission of ARCH-Architecture Program.*

*Integrated and comprehensive building and site design. Course content bridges the gap between design and technology, between practice and education, in a studio setting. Explorations include the integration of conceptual and technical aspects of architectural form and assembly, highlighting the ways in which multiple layers of a building design are developed, coordinated and resolved.*

|      |  |                   |
|------|--|-------------------|
| 0101 | Larysa Kurylas, Amy Gardner, Julie Gabrielli | Seats (Total: 32) |
|      | MWF 2:00pm - 6:00pm                          | Location: TBA     |

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**ARCH611      Advanced Architecture Technology Seminar**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Corequisite: ARCH600. Restriction: Permission of ARCH-Architecture Program.*

*Technology in design of buildings. Application of technological issues in building design; integration of technology in architecture; technology as a form determinant in architecture; other conceptual and philosophical issues related to the application of technology in the design, construction, and use of buildings.*

Offered fall only.

|      |                                       |                   |
|------|---------------------------------------|-------------------|
| 0101 | Ming Hu, Carl Bovill, Julie Gabrielli | Seats (Total: 25) |
|      | TuTh 5:00pm - 6:15pm                  | ARC 1103          |

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**ARCH628C      Selected Topics in Architectural History; City Beautiful Architecture and Urbanism in USA**

Credits: 3      Grading Method: Regular,  
Audit

*Graduate Selected Topics in Architectural History*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Cynthia Field        | Seats (Total: 15) |
|      | TuTh 2:00pm - 3:15pm | ARC 1101          |

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**ARCH628L      Selected Topics in Architectural History; Archaeology of Slavery: Classical, Caribbean and North American Contexts**

Credits: 1-4      Grading Method: Regular,  
Audit

*Graduate Selected Topics in Architectural History*



Also offered as AASP498T, ARCH428L, ANTH433 and ANTH633. Credit only granted for ANTH433, ANTH633, ARCH428L, ARCH628L, or AASP498T. Has slavery always existed? Does it come and go? North American plantation archaeology has become one of the foundations for understanding African American culture from the 1960s. Slavery in Antiquity existed in Greece and Rome on large scales and was essential to making commercial agriculture profitable work. Slavery in the Caribbean showed Europeans how to make a profit from African bodies. Trafficking in human persons today is recorded by the U.S. State Department annually and is regarded as modern slavery. These varying contexts of slavery will be compared in an attempt to understand slavery scientifically.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Mark Leone         | Seats (Total: 10) |
|      | Tu 2:00pm - 4:45pm | WDS 1130          |

## ARCH629

### Graduate Independent Studies in Architectural History

(Perm req)

Credits: 1-4      Grading Method: Regular,  
Audit

*Proposed work must have a faculty sponsor and receive approval of the Architecture Program Curriculum Committee.*

|      |   |                   |
|------|---|-------------------|
| 0701 | Instructor: TBA                               | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0801 | Instructor: TBA                               | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0901 | Instructor: TBA                               | Seats (Total: 2)  |
|      | Contact instructor or department for details. |                   |

## ARCH678J

### Advanced Selected Topics in Architecture; Adaptation

Credits: 3      Grading Method: Regular,  
Audit

*Graduate Selected Topics in Architecture.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Michele Lamprakos     | Seats (Total: 15) |
|      | TuTh 9:30am - 10:45am | ARC 1111          |

## ARCH678L

### Advanced Selected Topics in Architecture; Destruction, Memory, Renewal

Credits: 3      Grading Method: Regular,  
Audit

*Graduate Selected Topics in Architecture.*

In this course, we'll explore motives for the destruction of historic monuments and sites - and how these objects and places are remembered and renewed, as societies struggle to recover and rebuild.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Michele Lamprakos | Seats (Total: 15) |
|      | W 7:00pm - 9:40pm | ARC 1127          |

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**ARCH678T      Advanced Selected Topics in Architecture; Ecological Design Thinking**

Credits: 3                      Grading Method: Regular,  
   Audit

*Graduate Selected Topics in Architecture.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Julie Gabrielli     | Seats (Total: 15) |
|      | M 10:00am - 12:40pm | ARC 1111          |

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**ARCH678V      Advanced Selected Topics in Architecture; Sensing Architecture**

Credits: 3                      Grading Method: Regular,  
   Audit

*Graduate Selected Topics in Architecture.*

A graduate level seminar that investigates issues of perception, the human senses, and a phenomenological approach to the built environment. Themes from the readings are centered on a sensuous approach to engaging architecture. The structure of the course consists of seminar discussions of seminal texts, research, presentations, and a series of creative projects that actively engage the themes of the seminar.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Peter Noonan       | Seats (Total: 15) |
|      | Th 7:00pm - 9:40pm | ARC 1127          |

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**ARCH679      Advanced Independent Studies in Architecture; Independent Study in Architecture**

Credits: 1-4                      Grading Method: Regular,  
   Audit

*Proposed work must have a faculty sponsor and receive approval of the Architecture Program Curriculum Committee.*

**Contact department for information to register for this course.**

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**ARCH700      Urban Design Studio VII**

(Perm req)                      Credits: 6                      Grading Method: Regular,  
   Audit

*Restriction: Permission of ARCH-Architecture Program.*

*Studio problems and theories concentrating on urbanism and urban design techniques. Issues and sites range from high density urban in-fill to suburban and greenfield development in American and other contexts. Studio theories explore such topics as Contextualism, Neo-Traditional design, Transit-Oriented Development, density, sustainable development building typology, and street design.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Karl Du Puy<br>TuTh 1:00pm - 6:00pm                               | Seats (Total: 19)<br>ARC 1127 |
| 0102 | Garth Rockcastle<br>Contact instructor or department for details. | Seats (Total: 10)             |

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**ARCH770 Professional Practice of Architecture**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Permission of ARCH-Architecture Program.*

*Project management, organizational, legal, economic and ethical aspects of architecture.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Andrew Pressman<br>M 11:00am - 1:50pm                             | Seats (Total: 30)<br>ARC 1101 |
| 0102 | Garth Rockcastle<br>Contact instructor or department for details. | Seats (Total: 10)             |

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**ARCH797 Thesis Proseminar**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ARCH601.*

*Directed research and preparation of thesis program.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | James Tilghman<br>TuTh 9:00am - 10:15am | Seats (Total: 20)<br>ARC 1105 |
|------|---|-------------------------------|

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**ARCH798 Thesis in Architecture**

(Perm req)

Credits: 3      Grading Method: Regular

*Complements the research of ARCH 799, with presentation of the design research to student's thesis committee.*

Contact department for information to register for this course.

**ARCH799**

**Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

*Development of master's thesis.*

Restricted to ARCH majors only.

Contact department for information to register for this course.

**AREC**

**Agricultural and Resource  
Economics**

**Fall 2017**

**AREC200**

**The Chesapeake Bay Ecosystem: Intersection of Science, Economics, and Policy**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: LS      General Education: DSNS,  
DSSP, SCIS

*The Chesapeake Bay is one of the most studied and monitored ecosystems in the world. To develop effective policies to restore this system to a healthier status requires integrating what we know about the biological and physical properties of the system with our understanding of the human dimension. Issues such as achieving nutrient reduction goals, restoring healthy blue crab and oyster fisheries in the bay will be used to demonstrate how economics interacts with science to guide policies that can be effective in achieving Bay restoration goals.*

|      |                                    |                   |            |
|------|------------------------------------|-------------------|------------|
| 0101 | Sara Lombardi, Jorge Holzer Bilbao | Seats (Total: 35) |            |
|      | MW 10:00am - 10:50am               | ESJ 2204          |            |
|      | F 11:00am - 11:50am                | PLS 1113          | Discussion |
| 0102 | Sara Lombardi, Jorge Holzer Bilbao | Seats (Total: 35) |            |
|      | MW 10:00am - 10:50am               | ESJ 2204          |            |
|      | F 11:00am - 11:50am                | EGR 3106          | Discussion |
| 0103 | Jorge Holzer Bilbao, Sara Lombardi | Seats (Total: 35) |            |
|      | MW 10:00am - 10:50am               | ESJ 2204          |            |
|      | F 10:00am - 10:50am                | CHM 0115          | Discussion |
| 0104 | Sara Lombardi, Jorge Holzer Bilbao | Seats (Total: 35) |            |
|      | MW 10:00am - 10:50am               | ESJ 2204          |            |
|      | F 10:00am - 10:50am                | CHM 0122          | Discussion |

**AREC240**

**Introduction to Economics and the Environment**

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit      CORE: SB      General Education: DSHS

*Credit only granted for: ECON200, AREC240, or AREC250.*

*Costs and social impacts of pollution and human crowding in the modern environment. The economic, legal and institutional causes of these problems. Public policy approaches to solutions and the costs and benefits of alternative solutions.*

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Dennis Guignet       | Seats (Total: 40) |            |
|      | TuTh 5:00pm - 6:15pm | TYD 1102          |            |
|      | W 1:00pm - 1:50pm    | TYD 2111          | Discussion |
| 0102 | Dennis Guignet       | Seats (Total: 40) |            |
|      | TuTh 5:00pm - 6:15pm | TYD 1102          |            |
|      | W 2:00pm - 2:50pm    | CHM 0119          | Discussion |

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**AREC250      Elements of Agricultural and Resource Economics**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: SB      General Education: DSHS

*Credit only granted for: ECON200, AREC240 or AREC250.*

*An introduction to economic principles of production, marketing, agricultural prices and incomes, farm labor, credit, agricultural policies, and government programs.*

|      |                      |                   |  |
|------|----------------------|-------------------|--|
| 0101 | Yunguang Chen        | Seats (Total: 99) |  |
|      | TuTh 5:00pm - 6:15pm | SYM 0200          |  |

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**AREC306      Farm Management and Sustainable Food Production**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      General Education: DSSP

*The organization and operation of farm businesses are explored through principles of management, financial analysis, production economics, marketing, and business planning. These farm management principles are presented in the context of a sustainable food production system.*

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 0101 | Dale Johnson       | Seats (Total: 40) |  |
|      | MW 3:30pm - 4:45pm | HJP 2242          |  |

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**AREC326      Intermediate Applied Microeconomics**

Credits: 3      Grading Method: Regular

*Prerequisite: ECON200 or AREC250; and ECON201. And MATH120, MATH140, or MATH130; or must have completed MATH220. Restriction: Must be in one of the following programs (Agricultural and Resource Economics; Agricultural and Resource Economics: Agribusiness). Credit only granted for: ECON306, ECON326, AREC489M, or AREC326. Formerly: AREC489M.*

*Deepens and broadens your ability to apply rigorous economic analysis skills to a broad range of problems.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Neslihan Uler         | Seats (Total: 45) |
|      | TuTh 9:30am - 10:45am | SQH 1121          |

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**AREC365      World Hunger, Population, and Food Supplies**

Credits: 3      Grading Method: Regular, , D      General Education: DVUP  
Pass-Fail, Audit

*An introduction to the problem of world hunger and possible solutions to it. World demand, supply, and distribution of food. Alternatives for leveling off world food demand, increasing the supply of food, and improving its distribution. Environmental limitations to increasing world food production.*

|      |                     |                    |
|------|---------------------|--------------------|
| 0101 | Kenneth Leonard     | Seats (Total: 300) |
|      | MWF 1:00pm - 1:50pm | PHY 1412           |

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**AREC386      Experiential Learning**

(Perm req)

Credits: 3-6      Grading Method: Regular,  
Pass-Fail

*Prerequisite: Permission of AGNR-Agricultural & Resource Economics department. Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

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**AREC388      Honors Thesis Research**

(Perm req)

Credits: 3-6      Grading Method: Regular

*Undergraduate honors thesis research conducted under the direction of an AGNR faculty member in partial fulfillment of the requirements of the College of AGNR Honors Program. The thesis will be defended to a faculty committee.*

**Contact department for information to register for this course.**

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**AREC399      Special Problems**

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Concentrated reading and study in some phase of a problem in agricultural and/or natural resource economics.*

**Contact department for information to register for this course.**

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**AREC430      Introduction to Agricultural and Resource Law**

Credits: 3                      Grading Method: Regular

*Prerequisite: ECON326 or AREC326. Restriction: Must be in a major within the AGNR-Agricultural & Resource Economics department. Credit only granted for: AREC430 or AREC489K. Formerly: AREC489K.*

*Survey of law with emphasis on problems and applications related to agricultural and natural resource economics. The course emphasizes strategies for managing legal risk arising from ownership, management, and use of agricultural resources. Students will get practical information to utilize in personal or professional settings. Contract law, constitutional law, tort law, property law, real estate transactions, business organization, estate planning, and debtor.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Paul Goeringer      | Seats (Total: 75) |
|      | MWF 9:00am - 9:50am | MCB 1207          |

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**AREC433      Food and Agricultural Policy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ECON326 or AREC326; or students who have taken courses with comparable content may contact the department.*

*Economic and political context of governmental involvement in the farm and food sector. Historical programs and current policy issues. Analysis of economic effects of agricultural programs, their benefits and costs, and comparison of policy alternatives. Analyzes the interrelationship among international development, agricultural trade and general economic and domestic agricultural policies.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Howard Leathers       | Seats (Total: 35) |
|      | MWF 10:00am - 10:50am | SYM 0215          |

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**AREC453      Natural Resources and Public Policy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ECON326, ECON306, or AREC326. And BMGT230; or ECON230. Restriction: Must be in one of the following programs (Agricultural and Resource Economics; Agricultural and Resource Economics: Agribusiness; Economics Bachelor of Arts; Environmental Science & Policy-Env Economics). Also offered as: ECON453. Credit only granted for: AREC453 or ECON453.*

*Rational use and reuse of natural resources. Theory, methodology, and policies concerned with the allocation of natural resources among alternative uses. Optimum state of conservation, market failure, safe minimum standard, and cost-benefit analysis.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Ian Page             | Seats (Total: 80) |
|      | TuTh 5:00pm - 6:15pm | ASY 2309          |

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**AREC455      Economics of Land Use**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ECON326 or AREC326; or students who have taken courses with comparable content may contact the department.*

*Fundamentals of location theory. Microeconomics of land use decisions, including determination of rent and hedonic pricing models. Impacts of government decisions on land use, including regulation (e.g., zoning), incentives (transferable development rights), provision of public services, and infrastructure investments. Impacts of land use on environmental quality, including issues relating to sprawl, agricultural land preservation, and other topics of special interest.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | David Newburn        | Seats (Total: 80) |
|      | TuTh 3:30pm - 4:45pm | SYM 0200          |

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**AREC4890      Special Topics in Agricultural and Resources Economics; Economic Perspectives of Consumption and Food Policy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Mary Zaki             | Seats (Total: 40) |
|      | TuTh 9:30am - 10:45am | PHY 0405          |

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**AREC489R      Special Topics in Agricultural and Resources Economics; Economics of Local Agriculture: Incubating the Next Generation of Family Farmers**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: permission of the department required. A Partnership for Action Learning in Sustainability (PALS) course where students apply classroom learning to actual community needs.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | James Gottwals       | Seats (Total: 12) |
|      | TuTh 3:30pm - 4:45pm | SYM 0209          |

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## Optimization in Agricultural and Resource Economics

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Must have completed Multivariate calculus and matrix or linear algebra.*

*Mathematical theory of static and dynamic optimization as applied to the economics of agriculture, natural resources and the environment. Topics include necessary and sufficient conditions for constrained optimization, convexity and concavity, duality and the envelope theorem, comparative statics, fixed point theorems, optimal control theory and dynamic programming.*

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Lars Olson           | Seats (Total: 25) |            |
|      | W 5:30pm - 8:00pm    | SYM 0115          |            |
|      | Tu 11:00am - 12:30pm | SYM 0115          | Discussion |

**AREC623**

## Applied Econometrics I

Credits: 4      Grading Method: Regular, Audit

*Prerequisite: Differential and integral calculus and linear algebra; or permission of instructor.*

*Fundamentals of mathematical statistics for applications in econometrics. Development of the standard linear model and variations of assumptions with computer applications to applied econometric problems.*

|      |                     |                   |            |
|------|---------------------|-------------------|------------|
| 0101 | Anna Alberini       | Seats (Total: 27) |            |
|      | M 2:00pm - 5:00pm   | EGR 3106          |            |
|      | F 10:00am - 12:00pm | SYM 0115          | Discussion |

**AREC632**

## Agricultural Policy Analysis

Credits: 3      Grading Method: Regular,  
Audit

*Also offered as: AREC832. Credit only granted for: AREC632 or AREC832.*

*The economics of agricultural policies. Methods for analyzing costs and benefits of price supports, import restraints, and other policies for producers, consumers, and taxpayers. Farm programs of the U.S., other industrial countries and developing countries including interventions in both domestic markets and international trade are covered along with their consequences for factor owners and related commodity markets. Theories of the farm problem and possible remedies are offered.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Erik Lichtenberg      | Seats (Total: 25) |
|      | TuTh 9:30am - 10:45am | SYM 0209          |

**AREC699 Special Problems in Agricultural and Resource Economics**

(Perm req)

Credits: 1-2      Grading Method: Regular,  
Audit

*Intensive study and analysis of specific problems in the field of agricultural and resource economics, providing in-depth information in areas of special interest to the student.*

**Contact department for information to register for this course.**

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**AREC785 Advanced Economics of Natural Resources**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Permission of AGNR-Agricultural & Resource Economics department; or (ECON603 and AREC623). Also offered as: ECON785. Credit only granted for: AREC785 or ECON785.*

*The use of exhaustible and renewable natural resources from normative and positive points of view. Analysis of dynamic resource problems emphasizing energy, mineral, groundwater, forestry, and fishery resources; optimal, equilibrium, and intergenerational models of resource allocation.*

|      |                                     |                   |
|------|-------------------------------------|-------------------|
| 0101 | Jorge Holzer Bilbao, Stephen Salant | Seats (Total: 28) |
|      | MW 12:30pm - 1:45pm                 | HBK 0123          |

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**AREC799 Master's Thesis Research**

(Perm req)

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**AREC832 Advanced Agricultural Policy Analysis**

Credits: 3      Grading Method: Regular,  
Audit

*Also offered as: AREC632. Credit only granted for: AREC632 or AREC832.*

*Research problems in agricultural policy that include models and methods for explaining the consequences and causes of intervention in agricultural commodity markets. Quantitative, market level analysis of the implications of uncertainty, strategic behavior in international trade, second-best policies, the general equilibrium analysis of intervention, and the political economy of collective action in farm policy.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Erik Lichtenberg      | Seats (Total: 25) |
|      | TuTh 9:30am - 10:45am | SYM 0209          |

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**AREC846 Development Microeconomics**

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: AREC624, ECON603, and AREC623; or equivalent. Formerly: AREC869E.*

*Development economics with focus on issues applicable to rural development and agriculture in developing countries. Content includes both theory and empirical application of theory. Subjects covered include economics of agricultural households, credit and insurance markets, technological progress and learning and institutional economics of developing countries.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Kenneth Leonard     | Seats (Total: 20) |
|      | MW 9:30am - 10:45am | TYD 1108          |

**AREC892      Dissertation Prospectus Development**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Completion of two years of the AREC Ph.D. program. Credit only granted for: AREC 869P or AREC 892. Formerly: AREC869P.*

*Presentations of proposed dissertation research including literature review, model development, data identification, and written prospectus development. Required of all third-year Ph.D. students.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Stephen Salant       | Seats (Total: 35) |
|      | MW 11:00am - 12:15pm | SYM 2200B         |

**AREC898**      **Pre-Candidacy Research**

(Perm req)

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

**AREC899      Doctoral Dissertation Research**

(Perm req)

Credits: 6      Grading Method: Regular

**Contact department for information to register for this course.**

## ARHU Arts and Humanities

## Fall 2017

**ARHU158G Explorations in Arts and Humanities; Border Crossings: Immigration and the Making of the Americas**

Credits: 3      Grading Method: Regular

General Education: DSSP

*A first-year innovation and research experience. It introduces multiple disciplinary perspectives within a given theme to understand human beings, cultures and societies. Students will learn about key questions, concepts, methods, and practices within ARHU and will engage in original humanistic research while working with campus and college tools and resources.*

Restricted to first semester freshmen in the College of Arts and Humanities. Human migration and immigration have been transformative forces across history and they remain so today. Focusing on the United States, the Caribbean, and Latin America, this course will examine how the arts and humanities, particularly history, theatre, and languages and literatures, have explored migration and immigration. The course will provide the tools for students to generate their own ideas and understandings of this very human activity, movement across borders.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Julie Greene         | Seats (Total: 25) |
|      | MW 10:00am - 11:15am | TWS 1313          |

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**ARHU158J      Explorations in Arts and Humanities; Who Belongs? Practices of Citizenship in U.S. Democracy**

Credits: 3                      Grading Method: Regular                      General Education: DSSP

*A first-year innovation and research experience. It introduces multiple disciplinary perspectives within a given theme to understand human beings, cultures and societies. Students will learn about key questions, concepts, methods, and practices within ARHU and will engage in original humanistic research while working with campus and college tools and resources.*

Restricted to first semester freshmen in the College of Arts and Humanities. What does it mean to be a citizen? What are the rights and obligations of citizens in a democracy? Who grants these rights and obligations? This class will explore these questions by playing a historical simulation game, reading foundational primary texts from U.S. history and contemporary politics, and observing and participating in the College Park community. We will engage with history, philosophy, literature, and public rhetoric, and students will practice multiple modes of inquiry including role-play, debate, close reading, participant observation, and public writing.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Kristjana Maddux     | Seats (Total: 25) |
|      | TuTh 3:30pm - 4:45pm | TWS 1313          |

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**ARHU158K      Explorations in Arts and Humanities; Roads to J.R.R. Tolkien's Middle-earth**

Credits: 3                      Grading Method: Regular                      General Education: DSSP

*A first-year innovation and research experience. It introduces multiple disciplinary perspectives within a given theme to understand human beings, cultures and societies. Students will learn about key questions, concepts, methods, and practices within ARHU and will engage in original humanistic research while working with campus and college tools and resources.*

Restricted to first semester freshmen in the College of Arts and Humanities. Ever read The Hobbit or The Lord of the Rings? (Did you feel like skipping the poems?) Many know Tolkien for his fantasy fiction set in Middle-earth, but may not know that he was a poet in his youth, or that he was a scholar and professor of medieval literature and languages. Upon closer examination, Tolkien's scholarship, his poetry, and even his artwork all make important contributions to his famous tales of hobbits and wizards. Beginning with an exploration of Middle-earth from the perspectives of literature, art, film, and language studies, we will consider how -and why - authors employ more than one mode of expression in the development of their art. Additionally, our study of "multimodality" will allow us to examine the flexibility and range of our studies and career options in the Arts and Humanities.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Peter Grybauskas      | Seats (Total: 25) |
|      | TuTh 9:30am - 10:45am | TWS 1313          |

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**ARHU269M      Special Topics in Study Abroad II; Sicily Against the Mafia**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARHU269P      Special Topics in Study Abroad II; Mystery Paintings**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARHU269V      Special Topics in Study Abroad II; Vienna and Budapest Field Study**

Credits: 1-6                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARHU275      Writing to be Seen: Scriptwriting for Theatre, Film, and Television**

Credits: 3                      Grading Method: Regular,                      General Education: DSHU,  
Pass-Fail                      DSSP

*Also offered as: ENGL275. Credit only granted for: ENGL278D, ENGL275, ARHU319B or ARHU275. Formerly: ENGL278D; ARHU319B.*

*Introduction to theory and practice of scriptwriting with opportunity to read, view, evaluate, write, and revise texts meant to be performed for spectators. Practice writing for the stage, film and television, with emphasis on critical reading of textual and visual literary models. Theory and scholarship teaching opportunities and advantages of each format. Application of scholarship to analysis and critique of plays and texts successful across two different formats. Examination of selected scripts, performances, and film and television clips as models for students' own creative work. Frequent writing exercises and use of workshop format.*

|   |                       |                   |
|---|-----------------------|-------------------|
| 0101  | Douglas Kern          | Seats (Total: 20) |
|   | TuTh 3:30pm - 4:45pm  | KEY 0119          |
| 0201  | Heidi Scott           | Seats (Total: 19) |
|   | MWF 10:00am - 10:50am | TWS 0221          |
| 0202  | Heidi Scott           | Seats (Total: 1)  |
|   | MWF 10:00am - 10:50am | TWS 0221          |
| <i>This section is restricted to students in the Jimenez-Porter Writers' House.</i> |                       |                   |

## ARHU286

### Experiential Learning

(Perm req)

Credits: 3-6      Grading Method: Regular,  
Pass-Fail

*Prerequisite: Permission of ARHU-College of Arts & Humanities. Restriction: Minimum cumulative GPA of 2.5; and must be in a major in ARHU-College of Arts & Humanities; and must have earned a minimum of 12 credits.*

*Designed for ARHU students who wish to complete an internship in one of the academic fields covered within the College of Arts and Humanities. In addition to completing their required hours on site, students will be required to attend four weekly seminars at the beginning of the semester to help develop their para-professional goals and understandings.*

|      |   |                  |
|------|---|------------------|
| 0101 | Paula Nadler                                  | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

## ARHU298L

### Critical Approaches to Traditional and Non-Traditional Literary Forms across Different Cultures

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: HL      General Education: DSHU

Examines the different types of literature (Novel, Short Story, Flash Fiction, Comics, etc. ) produced by groups or individuals under diverse circumstances (cultural, historical, political, geographical, economic, philosophical, etc.). The required texts will provide the students with an opportunity to reevaluate some commonly underestimated literary forms, such as flash fiction, comics or spoken word poetry and to understand the function of these manifestations in relationship to more traditional (canonical) expressions such as the novel.

|   |                      |                   |
|---|----------------------|-------------------|
| FC01  | Vivianne Salgado     | Seats (Total: 35) |
|   | TuTh 4:30pm - 5:45pm | SQH 1121          |
| <i>Restricted to students in Freshman Connection.</i> |                      |                   |

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**ARHU299T      Studies in Humanities Technology; Tech Apprentice Program**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Selected topics in the use of Information Technology in the Humanities.*

Also offered as AGNR270. Restricted to ARHU students. Prerequisite: permission of department.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Deborah Mateik      | Seats (Total: 11) |
|      | F 10:00am - 12:30pm | ESJ 2309          |

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**ARHU309      Writers' House Colloquium: Creative Writing in Community**

(Perm req)

Credits: 1      Grading Method: Regular

*Colloquium designed to improve students' skills in literary and communication arts through lectures, workshop and discussions on the history and craft of writing across cultures. Topics include poetry and fiction in translation, and exploration of modes of critique, elements of craft of fiction and poetry, writing for different media, genre writing, writing for performance, screen or scriptwriting and creative non-fiction.*

For Writers House students only.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Johnna Schmidt    | Seats (Total: 15) |
|      | W 3:30pm - 5:00pm | QAN 1132          |
| 0201 | Jessica Hammack   | Seats (Total: 15) |
|      | W 7:00pm - 8:30pm | QAN 1132          |
| 0301 | Megan Kuyatt      | Seats (Total: 15) |
|      | W 5:15pm - 6:45pm | QAN 1132          |

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**ARHU319**

(Perm req)

**Writers' House Second Year Colloquium: Form and Theory of Creative Writing**

Credits: 3

Grading Method: Regular

General Education: DSHU,  
DSSP

*Required course for Writers' House students pursuing the notation program. Offered in either poetry or imaginative prose writing. Students work at the intermediate level, refining creative writing skills through cross-cultural reading and writing exercises. As part of the course, students attend a series of lectures and readings given by professional writers.*

For Writers' House students only. For further details please contact Johnna Schmidt  
jmschmid@umd.edu. Course will meet in Queen Anne's Library

|      |   |                   |
|------|---|-------------------|
| 0101 | Vivianne Salgado                              | Seats (Total: 15) |
|      | M 3:30pm - 6:00pm                             | QAN 1132          |
|      | Contact instructor or department for details. |                   |
| 0201 | Laura Lauth                                   | Seats (Total: 15) |
|      | Th 5:30pm - 8:00pm                            | QAN 1132          |
|      | Contact instructor or department for details. |                   |

**ARHU338**

(Perm req)

**Undergraduate Teaching Assistantship in a Living Learning Program**

Credits: 3

Grading Method: Regular

*Offers exceptional students the opportunity to work closely with a faculty member and gain valuable experience. ARHU Living learning program UTAs also serve as peer mentors and program leaders. They assist with course planning, research, and student advising (as appropriate). We are also allowing for variable credit (1-3 cr hrs).*

|      |   |                   |
|------|---|-------------------|
| 0101 | Johnna Schmidt                                | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0102 | Jason Farman                                  | Seats (Total: 2)  |
|      | Contact instructor or department for details. |                   |
| 0103 | Krista Caballero                              | Seats (Total: 2)  |
|      | Contact instructor or department for details. |                   |
| 0104 | Instructor: TBA                               | Seats (Total: 2)  |
|      | Contact instructor or department for details. |                   |

**ARHU386**

(Perm req)

**Experiential Learning**

Credits: 3-6

Grading Method: Regular,  
Pass-Fail

General Education: DSSP



*Prerequisite: Permission of ARHU-College of Arts & Humanities. Restriction: Junior standing or higher.*

|   |              |                   |
|---|--------------|-------------------|
| 0101  | Paula Nadler | Seats (Total: 30) |
| Contact instructor or department for details. |              |                   |

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**ARHU468A      Peer Mentoring Program; Arts and Humanities' Ambassador Program**

(Perm req)

Credits: 1                      Grading Method: Regular

*A workshop for sophomore, junior or senior students who wish to serve as peer mentors helping first-year students to cope with the numerous issues which often arise in the transition to the university.*

Restricted to current ARHU students who will serve as ambassadors for the College of Arts and Humanities.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | J Darius Greene    | Seats (Total: 35) |
|      | Th 4:00pm - 5:30pm | LEF 1201          |

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**ARHU486      Internship Practicum in Arts and Humanities**

(Perm req)

Credits: 3-6                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: Have completed previous internship at U of MD. Restriction: Must be in a major in ARHU-College of Arts & Humanities; and permission of ARHU-College of Arts & Humanities; and minimum cumulative GPA of 2.5; and must have earned a minimum of 60 credits; and completed 12 credits at U of MD.*

*An internship intended for students who have already completed an internship for credit. ARHU486 must be a different experience from the internship students have already taken for credit. Generally students intern with a different company, but they may continue working for the same company if the job is significantly different. See ARHU internship coordinator for details.*

|   |              |                   |
|---|--------------|-------------------|
| 0101  | Paula Nadler | Seats (Total: 25) |
| Contact instructor or department for details. |              |                   |

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**ARHU489      Advanced Internship Practicum in ARHU**

(Perm req)

Credits: 3-6                      Grading Method: Regular,  
Pass-Fail

*Designed for students who have already completed at least 2 upper level internship courses for academic credit. It is an advanced practicum to assist students in continuing to develop and hone their professional writing, presentation and analytical skills.*

Prerequisite: Permission of the College of Arts and Humanities.

|      |   |                  |
|------|---|------------------|
| 0101 | Paula Nadler                                  | Seats (Total: 2) |
|      | Contact instructor or department for details. |                  |

## ARMY

## Army

**Fall 2017**

### ARMY106

#### Basic Military Science I

Credits: 3                      Grading Method: Regular

*Restriction: Students must meet Officer candidate criteria to participate in field training. Repeatable to 3 credits.*

*Introduction to the personal challenges and competencies that are critical for effective leadership and communication. Develops knowledge and competency in physical fitness through rigorous training and experiential leadership education through leadership laboratories.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Larry Rentz   | Seats (Total: 40) |
|      | TuTh 11:00am - 12:15pm                                | TWS 1310          |
| 0102 | Larry Rentz   | Seats (Total: 40) |
|      | MWF 9:00am - 9:50am                                   | HJP 2242          |
| FC01 | Larry Rentz   | Seats (Total: 40) |
|      | MW 6:00pm - 7:15pm                                    | PLS 1119          |
|      | <i>Restricted to students in Freshmen Connection.</i> |                   |

### ARMY201

#### Army Leadership Development

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Sophomore standing or higher.*

*This course is an intensive examination of the Army Leadership Model in practice. The model is compared to leadership styles and techniques from government and industry and the comparative effectiveness of each. Students form their own personal leadership styles.*

|      |                      |                                   |
|------|----------------------|-----------------------------------|
| 0101 | Heather Hunkus       | Seats (Total: 30)                 |
|      | W 2:00pm - 3:50pm    | JMZ 0208                          |
|      | Th 4:00pm - 6:00pm   | ARM 0131                      Lab |
|      | MWTh 6:30am - 7:30am | ARM 0131                      Lab |

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0102 | Heather Hunkus       | Seats (Total: 30) |     |
|      | Th 2:00pm - 3:50pm   | PHY 0405          |     |
|      | Th 4:00pm - 6:00pm   | ARM 0131          | Lab |
|      | MWTh 6:30am - 7:30am | ARM 0131          | Lab |

### **ARMY301      Advanced Military Leadership I**

(Perm req)      Credits: 3      Grading Method: Regular

*Prerequisite: Permission of UGST-Army ROTC. Restriction: Junior standing or higher.*

*Reinforces understanding and application of Army leadership strategies, critical decision making methodologies, physical and mental fitness excellence. Includes a laboratory period in applied leadership, common military tasks and physical fitness.*

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0101 | Sarah Beckwith      | Seats (Total: 40) |     |
|      | Tu 1:00pm - 3:45pm  | SQH 1105          |     |
|      | Th 4:00pm - 6:00pm  | ARM 0131          | Lab |
|      | MWF 6:30am - 7:30am | ARM 0131          | Lab |

### **ARMY401      Advanced Military Leadership III**

(Perm req)      Credits: 3      Grading Method: Regular

*Prerequisite: Permission of UGST-Army ROTC. Restriction: Senior standing.*

*Introduces contracted students to the study of Army structure, practice and processes exercised by Army Commanders and Staff in completing personnel, logistics, training and combat operations. Includes a laboratory in applied leadership skills and two field exercises.*

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | Larry Rentz          | Seats (Total: 30) |     |
|      | TuTh 1:00pm - 2:30pm | HBK 0103          |     |
|      | Th 4:00pm - 6:00pm   | ARM 0131          | Lab |
|      | MWF 6:30am - 7:30am  | ARM 0131          | Lab |

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## **ARSC      Air Science      Fall 2017**

### **ARSC059      Air Force Officer Lab**

Credits: 1      Grading Method: Sat-Fail

*Offers Air Force ROTC cadet officer's practical experience in military leadership, management, organization, and customs. May include visits to military installations, weekend laboratories, and flight orientation.*

Restriction: Must be an AFROTC cadet. Repeatable to 10 credits if content differs. Formerly: ARSC159. Additional information: This course does not carry any credit toward any degree at the University.

|      |                    |                    |     |
|------|--------------------|--------------------|-----|
| 0101 | Samuel Richardson  | Seats (Total: 200) |     |
|      | Th 7:00am - 8:50am | ARM 0126           | Lab |

## ARSC100

### The USAF Today I

Credits: 1                      Grading Method: Regular

*Corequisite: AFROTC cadets must also register for ARSC059.*

*Freshman course for AFROTC cadets. Introduces students to the United States Air Force and encourages participation in Air Force Reserve Officer Training Corps. Featured topics include: overview of ROTC, special programs offered through ROTC, mission and organization of the Air Force, brief history of the Air Force, introduction to leadership and leadership related issues, Air Force Core Values, Air Force officer opportunities, and an introduction to communication studies. Leadership laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences.*

An elective but required for freshmen desiring the four-year AFROTC program.

|      |                                 |                    |  |
|------|---------------------------------|--------------------|--|
| 0101 | Amanda Revisky, Karson Peterson | Seats (Total: 27)  |  |
|      | Tu 9:00am - 9:50am              | ESJ 1309           |  |
| 0102 | Amanda Revisky, Karson Peterson | Seats (Total: 102) |  |
|      | Th 9:00am - 9:50am              | ATL 2324           |  |

## ARSC200

### The Development of Air Power I

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Corequisite: AFROTC cadets must also register for ARSC059.*

*Sophomore course for AFROTC cadets. Study of factors contributing to the development of air power from its earliest beginnings through two world wars; the evolution of air power concepts and doctrine; introductory leadership; and assessment of communicative skills.*

An elective, but required for sophomores in the four-year AFROTC program. Military cadets must also enroll in ARSC 159.

|      |                      |                   |  |
|------|----------------------|-------------------|--|
| 0101 | Samuel Richardson    | Seats (Total: 55) |  |
|      | Th 10:00am - 10:50am | PHY 1204          |  |

|      |                      |                   |
|------|----------------------|-------------------|
| 0103 | Samuel Richardson    | Seats (Total: 27) |
|      | Tu 11:00am - 11:50am | ARM 0118          |

### **ARSC300 Management and Leadership I**

(Perm req)

Credits: 3      Grading Method: Regular

*Corequisite: AFROTC cadets must also register for ARSC059; or permission of UGST-AFROTC-Air Science. Restriction: Junior standing or higher.*

*The study of leadership and management fundamentals, professional knowledge, Air Force doctrine, and written and oral communication skills. Case studies are used to examine leadership and management situations. This course will satisfy credit toward a minor in military studies.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Isham Nichols         | Seats (Total: 26) |
|      | Th 9:00am - 12:00pm   | JMZ 0120          |
| 0201 | Isham Nichols         | Seats (Total: 20) |
|      | TuTh 12:30pm - 2:00pm | SKN 1112          |

### **ARSC400 National Security Forces in Contemporary American Society I**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: Permission of UGST-AFROTC-Air Science; or (ARSC300 or ARSC301). Corequisite: ARSC059; or permission of UGST-AFROTC-Air Science. Restriction: Senior standing.*

*Study of American national security policy and processes to include information and implementation, impact of major national and international actors, and development of major policy issues. This course will satisfy credit towards a minor in military studies.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | David Bacot          | Seats (Total: 18) |
|      | Th 9:00am - 12:00pm  | ARM 0118          |
| 0201 | David Bacot          | Seats (Total: 18) |
|      | TuTh 2:00pm - 3:30pm | ARM 0118          |

## **ARTH Art History & Archaeology**

**Fall 2017**

### **ARTH169A Special Topics in Study Abroad I; Roman Archaeology On-Site**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTH169B      Special Topics in Study Abroad I; Arts of Modernity**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTH169I      Special Topics in Study Abroad I; Art of Rome**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTH200      Art and Society in Ancient and Medieval Europe and the Mediterranean**

Credits: 3                      Grading Method: Regular,                      CORE: HA                      General Education: DSHU,  
Pass-Fail, Audit                      DVUP

*Examines the material culture and visual expressions of Mediterranean and European societies from early times until ca. 1300 CE, emphasizing the political, social, and religious context of the works studied, the relationships of the works to the societies that created them, and the interrelationship of these societies.*

|      |                        |                   |            |
|------|------------------------|-------------------|------------|
| 0101 | Emily Egan             | Seats (Total: 25) |            |
|      | TuTh 11:00am - 11:50am | ASY 2203          |            |
|      | M 9:00am - 9:50am      | ASY 3207          | Discussion |
| 0102 | Emily Egan             | Seats (Total: 25) |            |
|      | TuTh 11:00am - 11:50am | ASY 2203          |            |
|      | W 9:00am - 9:50am      | ASY 3207          | Discussion |
| 0103 | Emily Egan             | Seats (Total: 25) |            |
|      | TuTh 11:00am - 11:50am | ASY 2203          |            |
|      | W 10:00am - 10:50am    | ASY 3219          | Discussion |
| 0104 | Emily Egan             | Seats (Total: 25) |            |
|      | TuTh 11:00am - 11:50am | ASY 2203          |            |
|      | W 11:00am - 11:50am    | ASY 3219          | Discussion |

|      |                        |                   |            |
|------|------------------------|-------------------|------------|
| 0105 | Emily Egan             | Seats (Total: 25) |            |
|      | TuTh 11:00am - 11:50am | ASY 2203          |            |
|      | F 10:00am - 10:50am    | ASY 3219          | Discussion |
| 0106 | Emily Egan             | Seats (Total: 25) |            |
|      | TuTh 11:00am - 11:50am | ASY 2203          |            |
|      | F 11:00am - 11:50am    | ASY 3215          | Discussion |

## ARTH201

### Art and Society in the West from the Renaissance to the Present

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HA      General Education: DSHU, DVUP

*Examines representative European and American works of art from the later Middle Ages to the present, highlighting the dynamic exchange between artistic and cultural traditions both within periods and across time.*

|   |                      |                   |            |
|---|----------------------|-------------------|------------|
| 0101  | Anthony Colantuono   | Seats (Total: 25) |            |
|   | MW 11:00am - 11:50am | ASY 2203          |            |
|   | M 9:00am - 9:50am    | ASY 3219          | Discussion |
| 0102  | Anthony Colantuono   | Seats (Total: 25) |            |
|   | MW 11:00am - 11:50am | ASY 2203          |            |
|   | M 10:00am - 10:50am  | ASY 3219          | Discussion |
| 0103  | Anthony Colantuono   | Seats (Total: 25) |            |
|   | MW 11:00am - 11:50am | ASY 2203          |            |
|   | F 10:00am - 10:50am  | ASY 3215          | Discussion |
| 0104  | Anthony Colantuono   | Seats (Total: 25) |            |
|   | MW 11:00am - 11:50am | ASY 2203          |            |
|   | F 11:00am - 11:50am  | ASY 3219          | Discussion |
| FC01  | Abigail Helinger     | Seats (Total: 35) |            |
|   | MW 3:00pm - 4:15pm   | ASY 3211          |            |
| <i>Restricted to students in Freshmen Connection.</i> |                      |                   |            |

## ARTH269A

### Special Topics in Study Abroad II; Archaeology and Art of Ancient Italy

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTH269C      Special Topics in Study Abroad II; Arts of Antiquity**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTH269P      Special Topics in Study Abroad II; From Medieval to Contemporary: Exploring the Great Art and Architecture of Prague**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTH269R      Special Topics in Study Abroad II; Art of Renaissance**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTH292      Discovering Japan: How the Arts Shaped a Nation**

Credits: 3                      Grading Method: Regular,                      General Education: DSHU,  
Pass-Fail, Audit                      DVUP

*Explores the origins and creation of Japan from ancient to contemporary times through East Asian and European exchange. Acquaints students with painting, sculpture, architecture, ceramics, gardens, and other art forms in relation to the various cultural contexts within which they were produced and used.*

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Alicia Volk          | Seats (Total: 25) |            |
|      | MW 10:00am - 10:50am | ASY 2203          |            |
|      | F 12:00pm - 12:50pm  | ASY 3221          | Discussion |
| 0102 | Alicia Volk          | Seats (Total: 25) |            |
|      | MW 10:00am - 10:50am | ASY 2203          |            |
|      | M 11:00am - 11:50am  | ASY 3219          | Discussion |
| 0103 | Alicia Volk          | Seats (Total: 25) |            |
|      | MW 10:00am - 10:50am | ASY 2203          |            |
|      | W 11:00am - 11:50am  | ASY 3215          | Discussion |



|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0104 | Alicia Volk          | Seats (Total: 25) |            |
|      | MW 10:00am - 10:50am | ASY 2203          |            |
|      | F 10:00am - 10:50am  | ASY 3211          | Discussion |

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### ARTH305 Archaeological Methods and Practice

Credits: 3      Grading Method: Regular      General Education: DSHS  
*Prerequisite: ANTH240, ARTH200, or CLAS180. Also offered as: ANTH305, CLAS305. Credit only granted for: ANTH305, ARTH305, or CLAS305.*

*A team-taught, interdisciplinary course discussing theories, methods, and ethical issues in the practice of archaeology.*

|      |                      |                   |  |
|------|----------------------|-------------------|--|
| 0101 | George Hambrecht     | Seats (Total: 30) |  |
|      | TuTh 2:00pm - 3:15pm | KEY 0116          |  |

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### ARTH320 Fourteenth and Fifteenth-Century Northern European Art

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*The art of northern Europe with an emphasis on painting in the Netherlands and France.*

|      |                        |                   |  |
|------|------------------------|-------------------|--|
| 0101 | Louise Martinez        | Seats (Total: 25) |  |
|      | TuTh 11:00am - 12:15pm | ASY 3215          |  |

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### ARTH335 Seventeenth-Century Art in the Netherlands

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Painting, sculpture and architecture in seventeenth-century Netherlands*

|      |                         |                   |  |
|------|-------------------------|-------------------|--|
| 0101 | Aneta Georgievska-Shine | Seats (Total: 25) |  |
|      | TuTh 12:30pm - 1:45pm   | ASY 3211          |  |

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### ARTH345 Nineteenth-Century European Art to 1850

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Major trends from Neo-Classicism to Romanticism through an interdisciplinary perspective with an emphasis on historical context.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Dena Crosson           | Seats (Total: 25) |
|      | TuTh 11:00am - 12:15pm | ASY 3211          |

---

**ARTH350      Twentieth-Century Art to 1945**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARTH201.*

*Painting, sculpture, and architecture in Europe and America from the late nineteenth century to the end of World War II.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Steven Mansbach       | Seats (Total: 25) |
|      | TuTh 9:30am - 10:45am | ASY 3215          |

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**ARTH359M      Film as Art; The Western and the Idea of the American West**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of film as a visual art, from theoretical, cultural and aesthetic perspectives. Content varies by semester.*

This course is a consideration of the West in American Imagination. The primary documents and focus will be Western films.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Greg Metcalf      | Seats (Total: 25) |
|      | W 3:30pm - 7:00pm | ASY 4213A         |

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**ARTH362      Twentieth-Century African-American Art**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Surveys and evaluates the art and visual culture of African Americans from 1900 to the present.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Sybil Gohari           | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | ASY 3217          |

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**ARTH369C      Special Topics in Study Abroad III; Art of Florence Visual**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTH369G      Special Topics in Study Abroad III; Art Gallery Management**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTH369J      Special Topics in Study Abroad III; Survey of Italian Renaissance and Mannerist Art 1300-1580**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTH369M      Special Topics in Study Abroad III; Michelangelo**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTH369P      Special Topics in Study Abroad III; History and Workshop of Latin America Photography**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTH369Q      Special Topics in Study Abroad III; Patrons and Artists in Baroque Italy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTH372      Modern Latin American Art to 1945**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Painting and sculpture in Latin America, with an emphasis on avant-garde movements in Mexico City, Havana, Buenos Aires, Sao Paulo, and Rio de Janeiro.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Abigail McEwen        | Seats (Total: 25) |
|      | TuTh 9:30am - 10:45am | ASY 3211          |

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**ARTH386      Experiential Learning**

Credits: 3-6      Grading Method: Regular,  
Pass-Fail

*Prerequisite: Permission of ARHU-Art History & Archaeology department. Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

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**ARTH389A      Special Topics in Art History and Archaeology; The Art of Drawing: A Left and Right Brain Experience**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Beryl Bland       | Seats (Total: 10) |
|      | W 2:00pm - 4:30pm | ASY 4306          |

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**ARTH389B      Special Topics in Art History and Archaeology; The Art of Color: A Left and Right Brain Experience**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Beryl Bland         | Seats (Total: 10) |
|      | F 10:00am - 12:30pm | ASY 2318          |

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**ARTH389J      Special Topics in Art History and Archaeology; Renaissance Art from Florence to Rome**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**ARTH389N      Special Topics in Art History and Archaeology; The Art of Seeing**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

|      |                         |                   |
|------|-------------------------|-------------------|
| 0101 | Aneta Georgievska-Shine | Seats (Total: 20) |
|      | TuTh 9:30am - 10:45am   | ASY 3217          |

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**ARTH389P      Special Topics in Art History and Archaeology; Help for Life's Journey: Visual and Material Culture in Northern Europe**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

This course considers the ways in which people used art and objects to meet the challenges of life relating to health and disease, marriage and family, and social identity.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Louise Martinez      | Seats (Total: 20) |
|      | TuTh 2:00pm - 3:15pm | ASY 3215          |

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**ARTH389R      Special Topics in Art History and Archaeology; World Science Fiction Film**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

Also offered as FILM359N. Credit granted for ARTH389R or FILM359N. The course will examine important global science fiction films, with emphasis on films made by directors in Asia, Africa, Europe, and South America.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Jason Kuo              | Seats (Total: 25) |
|      | TuTh 11:00am - 12:15pm | HBK 0302J         |

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**ARTH465      The Landscape in Modern and Contemporary Art**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*A consideration of the representations of outdoor spaces since 1850. Focuses on the ways in which artists have understood and tried to make sense of modern and postmodern cities, suburbs, and rural areas.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Joshua Shannon        | Seats (Total: 25) |
|      | TuTh 12:30pm - 1:45pm | ASY 3215          |

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**ARTH488B      Colloquium in Art History; Mexican Muralism: Nation, Race, Revolution**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Colloquium to investigate a specific topic in depth.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Abigail McEwen        | Seats (Total: 10) |
|      | TuTh 12:30pm - 1:45pm | ASY 3217          |

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**ARTH488I      Colloquium in Art History; Orientalism in Cinema**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Colloquium to investigate a specific topic in depth.*

Also offered as FILM429I. Credit granted for ARTH488I or FILM429I. The course will use critical insights from cultural studies, psychoanalysis, post-colonialism, genre criticism, and feminism to examine the politically charged and ideologically biased cinematic representation of the peoples and cultures of North Africa and Asia.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Jason Kuo             | Seats (Total: 10) |
|      | TuTh 12:30pm - 1:45pm | HBK 0302J         |

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**ARTH488V      Colloquium in Art History; Vermeer and the Masters of Genre Painting**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Colloquium to investigate a specific topic in depth.*

This course will explore the exciting world of Dutch Seventeenth Century Genre Painting through the lens of a major international exhibition, Vermeer and the Masters of Dutch Genre Painting.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Arthur Wheelock   | Seats (Total: 10) |
|      | M 3:00pm - 5:30pm | ASY 3215          |

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**ARTH489Z      Special Topics in Art History; Art in London**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**ARTH498      Directed Studies in Art History I**

(Perm req)

Credits: 2-3                      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**ARTH499      Honors Thesis**

(Perm req)

Credits: 3-6

Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**ARTH692**

**Methods of Art History**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Methods of research and criticism applied to typical art-historical problems; bibliography and other research tools.*

For all non-Art History and Archaeology majors, permission of the department is required.

|      |                    |                  |
|------|--------------------|------------------|
| 0101 | Joshua Shannon     | Seats (Total: 6) |
|      | Th 3:00pm - 5:40pm | ASY 4304         |

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**ARTH708**

**Seminar in Ancient Art and Archaeology; The Athenian Acropolis**

Credits: 3

Grading Method: Regular,  
Audit

High above the city, the Acropolis of Athens serves as a visual and cultural landmark in the topography of Greece. Utilizing evidence from ancient texts and modern archaeological investigations, this course traces the development and use of the site from the Neolithic through early modern periods.

|      |                    |                  |
|------|--------------------|------------------|
| 0101 | Emily Egan         | Seats (Total: 6) |
|      | Tu 3:00pm - 5:40pm | ASY 4304         |

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**ARTH738**

**Seminar in Seventeenth-Century Southern European Art; On the Verge of Modernity: The Problem of Artistic Novelty from Renaissance to Baroque in Italy, France, and Spain**

Credits: 3

Grading Method: Regular,  
Audit

In Catholic southern Europe, the sixteenth and seventeenth centuries witnessed the efflorescence of a sophisticated artistic culture informed by a profound theoretical critique of earlier Renaissance art.

|      |                    |                  |
|------|--------------------|------------------|
| 0101 | Anthony Colantuono | Seats (Total: 6) |
|      | M 3:00pm - 5:40pm  | ASY 4304         |

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**ARTH779**

**Seminar in Japanese Art; Avant-Garde Art in Japan**

Credits: 3

Grading Method: Regular,  
Audit

|      |                    |                  |
|------|--------------------|------------------|
| 0101 | Alicia Volk        | Seats (Total: 6) |
|      | M 12:00pm - 2:40pm | ASY 4304         |

**ARTH798 Directed Graduate Studies in Art History**  
 (Perm req) Credits: 3 Grading Method: Regular, Audit  
**Contact department for information to register for this course.**

**ARTH799 Master's Thesis Research**  
 (Perm req) Credits: 1-6 Grading Method: Regular  
**Contact department for information to register for this course.**

**ARTH898 Pre-Candidacy Research**  
 (Perm req) Credits: 1-8 Grading Method: Regular  
**Contact department for information to register for this course.**

**ARTH899 Doctoral Dissertation Research**  
 (Perm req) Credits: 6 Grading Method: Regular  
**Contact department for information to register for this course.**

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## ARTT Art Studio Fall 2017

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**ARTT100 Two-Dimensional Design Fundamentals**  
 Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

*Principles and elements of two-dimensional design. Introduction to visual communication.*

Students must pay a \$40.00 laboratory studio fee.

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0101 | James Thorpe          | Seats (Total: 18) |     |
|      | TuTh 12:30pm - 3:00pm | ASY 2318          | Lab |
| 0201 | James Thorpe          | Seats (Total: 18) |     |
|      | TuTh 12:30pm - 3:00pm | ASY 2318          | Lab |
| 0301 | Jessica Van Brakle    | Seats (Total: 18) |     |
|      | TuTh 3:00pm - 5:30pm  | ASY 2318          | Lab |



|      |  |                               |     |
|------|--|-------------------------------|-----|
| 0401 | Jessica Van Brakle<br>TuTh 3:00pm - 5:30pm | Seats (Total: 18)<br>ASY 2318 | Lab |
| 0501 | Wendy Jacobs<br>MW 12:30pm - 3:00pm        | Seats (Total: 18)<br>ASY 2318 | Lab |
| 0601 | Wendy Jacobs<br>MW 12:30pm - 3:00pm        | Seats (Total: 18)<br>ASY 2318 | Lab |
| 0701 | Wendy Jacobs<br>MW 3:00pm - 5:30pm         | Seats (Total: 18)<br>ASY 2318 | Lab |
| 0801 | Wendy Jacobs<br>MW 3:00pm - 5:30pm         | Seats (Total: 18)<br>ASY 2318 | Lab |

## ARTT110

### Elements of Drawing I

Credits: 3

Grading Method: Regular,  
Pass-Fail

General Education: DSSP

*Fundamental concepts, media, and processes of drawing. Emphasis on observation and representation in combination with individual expression. Subject matter includes still life, human figure, nature, the built environment, and conceptual projects.*

Students must pay a \$40.00 laboratory studio fee.

|      |   |                               |     |
|------|---|-------------------------------|-----|
| 0101 | Jowita Wyszomirska<br>MW 9:00am - 11:30am | Seats (Total: 18)<br>ASY 2317 | Lab |
| 0201 | Jowita Wyszomirska<br>MW 9:00am - 11:30am | Seats (Total: 18)<br>ASY 2321 | Lab |
| 0301 | Steven Jones<br>TuTh 3:30pm - 6:00pm      | Seats (Total: 18)<br>ASY 2317 | Lab |
| 0401 | Steven Jones<br>TuTh 3:30pm - 6:00pm      | Seats (Total: 18)<br>ASY 2321 | Lab |
| 0501 | Leslie Berns<br>TuTh 9:00am - 11:30am     | Seats (Total: 18)<br>ASY 2317 | Lab |

|      |   |                               |     |
|------|---|-------------------------------|-----|
| 0701 | Clayton Dunklin<br>MW 3:30pm - 6:00pm   | Seats (Total: 18)<br>ASY 2321 | Lab |
| 0801 | Clayton Dunklin<br>MW 3:30pm - 6:00pm   | Seats (Total: 18)<br>ASY 2317 | Lab |
| 0901 | Rashin Kheiriyeh<br>TuTh 12:30pm - 3:00pm   | Seats (Total: 18)<br>ASY 2317 | Lab |
| 1001 | Rashin Kheiriyeh<br>TuTh 12:30pm - 3:00pm   | Seats (Total: 18)<br>ASY 2321 | Lab |
| 1101 | Jowita Wyszomirska<br>MW 12:30pm - 3:00pm   | Seats (Total: 18)<br>ASY 2321 | Lab |
| 1201 | Jowita Wyszomirska<br>MW 12:30pm - 3:00pm   | Seats (Total: 18)<br>ASY 2317 | Lab |
| FC01 | Leslie Berns<br>MW 6:00pm - 8:30pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 18)<br>ASY 2317 |     |

## ARTT110S

### Elements of Drawing I

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP

*Fundamental concepts, media, and processes of drawing. Emphasis on observation and representation in combination with individual expression. Subject matter includes still life, human figure, nature, the built environment, and conceptual projects.*

Restricted to College Park Scholars - Arts. Students must pay a \$40.00 laboratory studio fee.

|      |                                       |                               |     |
|------|---------------------------------------|-------------------------------|-----|
| 0601 | Leslie Berns<br>TuTh 9:00am - 11:30am | Seats (Total: 18)<br>ASY 2321 | Lab |
|------|---------------------------------------|-------------------------------|-----|

## ARTT150

### Introduction to Art Theory

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: HA

General Education: DSHU

*Fundamental concepts of global, philosophic, and critical art theory examined through various historic and contemporary texts, and the analysis of works of art.*

|      |   |   |            |
|------|---|---|------------|
| 0101 | Richard Klank<br>MW 1:00pm - 1:50pm<br>M 11:00am - 11:50am                                    | Seats (Total: 25)<br>ASY 2309<br>ASY 3215 | Discussion |
| 0102 | Richard Klank<br>MW 1:00pm - 1:50pm<br>W 11:00am - 11:50am                                    | Seats (Total: 25)<br>ASY 2309<br>ASY 3221 | Discussion |
| 0103 | Richard Klank<br>MW 1:00pm - 1:50pm<br>W 12:00pm - 12:50pm                                    | Seats (Total: 25)<br>ASY 2309<br>ASY 3221 | Discussion |
| 0201 | Rex Weil<br>TuTh 3:30pm - 4:20pm<br>Tu 2:00pm - 2:50pm  | Seats (Total: 25)<br>ASY 2309<br>ASY 3221 | Discussion |
| 0202 | Rex Weil<br>TuTh 3:30pm - 4:20pm<br>Th 2:30pm - 3:20pm  | Seats (Total: 25)<br>ASY 2309<br>ASY 3221 | Discussion |
| 0203 | Rex Weil<br>TuTh 3:30pm - 4:20pm<br>Th 12:30pm - 1:20pm                                       | Seats (Total: 25)<br>ASY 2309<br>ASY 3221 | Discussion |
| FC01 | Rex Weil<br>TuTh 6:00pm - 7:15pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 25)<br>ASY 3211             |            |

## ARTT200

### Three-Dimensional Art Fundamentals

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARTT100 and ARTT110.*

*Fundamental concepts of three-dimensional form and space examined through the manipulation and organization of various materials.*

Students must pay a \$40.00 laboratory studio fee.

|      |                                  |                               |     |
|------|----------------------------------|-------------------------------|-----|
| 0101 | Cy Keener<br>MW 9:00am - 11:30am | Seats (Total: 18)<br>ASY 1311 | Lab |
|------|----------------------------------|-------------------------------|-----|

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0201 | Foon Sham             | Seats (Total: 18) |     |
|      | TuTh 12:30pm - 3:00pm | ASY 1311          | Lab |
| 0301 | Rebecca Basch         | Seats (Total: 18) |     |
|      | MW 12:30pm - 3:00pm   | ASY 1311          | Lab |

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## ARTT210 Elements of Drawing II

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARTT110.*

*Continuation of ARTT110 with additional emphasis on color, figure drawing, and contemporary issues.*

Students must pay a \$40.00 laboratory studio fee.

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0101 | Emily Conover         | Seats (Total: 16) |     |
|      | TuTh 12:30pm - 3:00pm | ASY 2315          | Lab |
| 0201 | Thomas Bunnell        | Seats (Total: 16) |     |
|      | MW 3:00pm - 5:30pm    | ASY 2315          | Lab |
| 0301 | Lillian Hoover        | Seats (Total: 16) |     |
|      | MW 12:30pm - 3:00pm   | ASY 2315          | Lab |
| 0401 | Patrick Craig         | Seats (Total: 16) |     |
|      | TuTh 3:00pm - 5:30pm  | ASY 2315          | Lab |

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## ARTT255 Introduction to Digital Art and Design Processes

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARTT100 and ARTT110. Credit only granted for: ARTT255 or ARTT354. Formerly: ARTT354.*

*Introduction to basic software and principles of digital imaging, and how they are applied to art and design. Topics covered: Digital image construction and manipulation, Vector-Based digital techniques layout, typography, etc), time-based digital techniques (video and audio composition and manipulation), and basic interactivity (web-design). Digital media used to explore visual principles established in ARTT100.*

Students must pay a \$40.00 laboratory studio fee.

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | Narendra Ratnapala   | Seats (Total: 24) |     |
|      | MW 9:00am - 11:30am  | ATL 1410          | Lab |
| 0201 | Narendra Ratnapala   | Seats (Total: 24) |     |
|      | TuTh 3:30pm - 6:00pm | ATL 1410          | Lab |
| 0301 | Narendra Ratnapala   | Seats (Total: 24) |     |
|      | MW 1:00pm - 3:30pm   | ATL 1410          | Lab |

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**ARTT269B      Special Topics in Study Abroad II; Buon Fresco**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTT269R      Special Topics in Study Abroad II; Art of Renaissance**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTT320      Elements of Painting**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.*

*Concepts and fundamental processes of oil and/or acrylic painting.*

Students must pay a \$40.00 laboratory studio fee.

|      |                                  |                   |     |
|------|----------------------------------|-------------------|-----|
| 0101 | Patrick Craig                    | Seats (Total: 18) |     |
|      | TuTh 12:30pm - 3:00pm            | ASY 3312          | Lab |
|      | <i>Emphasizes acrylic paint.</i> |                   |     |
| 0201 | Richard Klank                    | Seats (Total: 13) |     |
|      | MW 9:00am - 11:30am              | ASY 3322          | Lab |
| 0301 | Lillian Hoover                   | Seats (Total: 18) |     |
|      | MW 3:30pm - 6:00pm               | ASY 3322          | Lab |

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**ARTT330****Elements of Sculpture: Metal Casting**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.*

*Sculptural concepts and fundamental processes related to metal casting.*

Students must pay a \$40.00 laboratory studio fee.

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0101 | John Ruppert        | Seats (Total: 12) |     |
|      | MW 12:30pm - 3:00pm | ASY 1310          | Lab |

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**ARTT330H****Elements of Sculpture: Metal Casting**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.*

*Sculptural concepts and fundamental processes related to metal casting.*

Students must pay a \$40.00 laboratory studio fee. This course is restricted to departmental honors students only.

|      |                     |                  |     |
|------|---------------------|------------------|-----|
| 0101 | John Ruppert        | Seats (Total: 2) |     |
|      | MW 12:30pm - 3:00pm | ASY 1310         | Lab |

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**ARTT331****Elements of Sculpture: Steel**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.*

*Sculptural concepts and fundamental processes related to steel fabrication; torch cutting, welding, hot forging, and finishing.*

Students must pay a \$40.00 laboratory studio fee.

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0101 | Hugh Bryant           | Seats (Total: 12) |     |
|      | TuTh 12:30pm - 3:00pm | ASY 1314          | Lab |

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**ARTT333****Elements of Sculpture: Wood and Mixed Media**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.*

*Sculptural concepts and fundamental processes using wood and mixed media.*

Students must pay a \$40.00 laboratory studio fee.

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | Foon Sham            | Seats (Total: 12) |     |
|      | TuTh 3:00pm - 5:30pm | ASY 1311          | Lab |

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**ARTT333H      Elements of Sculpture: Wood and Mixed Media**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.*

*Sculptural concepts and fundamental processes using wood and mixed media.*

This course is restricted to departmental honors students only. Students must pay a \$40.00 laboratory studio fee.

|      |                      |                  |     |
|------|----------------------|------------------|-----|
| 0101 | Foon Sham            | Seats (Total: 2) |     |
|      | TuTh 3:00pm - 5:30pm | ASY 1311         | Lab |

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**ARTT340      Elements of Printmaking: Intaglio**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.*

*Concepts and fundamental processes related to etching, aquatint, and drypoint.*

Students must pay a \$40.00 laboratory studio fee.

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0101 | Matthew McLaughlin  | Seats (Total: 10) |     |
|      | MW 12:30pm - 3:00pm | ASY 1317          | Lab |

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**ARTT340H      Elements of Printmaking: Intaglio**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.*

*Concepts and fundamental processes related to etching, aquatint, and drypoint.*

Student's must pay a \$40.00 laboratory studio fee. This course is restricted to departmental honors students only.

|      |                     |                  |     |
|------|---------------------|------------------|-----|
| 0101 | Matthew McLaughlin  | Seats (Total: 2) |     |
|      | MW 12:30pm - 3:00pm | ASY 1317         | Lab |

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**ARTT341**      **Elements of Printmaking: Woodcut and Relief**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.*

*Concepts and fundamental processes related to woodcuts, linocuts, and other relief printing media.*

There is a \$40.00 lab fee for this course.

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | Alessandra Echeverri | Seats (Total: 10) |     |
|      | MW 9:00am - 11:30am  | ASY 1317          | Lab |

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**ARTT341H**      **Elements of Printmaking: Woodcut and Relief**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.*

*Concepts and fundamental processes related to woodcuts, linocuts, and other relief printing media.*

There is a \$40.00 lab fee for this course. This course is restricted to departmental honors students only.

|      |                      |                  |     |
|------|----------------------|------------------|-----|
| 0101 | Alessandra Echeverri | Seats (Total: 2) |     |
|      | MW 9:00am - 11:30am  | ASY 1317         | Lab |

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**ARTT343**      **Elements of Printmaking: Screen Printing**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.*

*Concepts and fundamental processes related to silkscreen printing.*

Students must pay a \$40.00 laboratory studio fee.



|      |                       |                  |     |
|------|-----------------------|------------------|-----|
| 0101 | Justin Strom          | Seats (Total: 8) |     |
|      | TuTh 12:30pm - 3:00pm | ASY 1317         | Lab |

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**ARTT343H Elements of Printmaking: Screen Printing**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.*

*Concepts and fundamental processes related to silkscreen printing.*

This course is restricted to departmental honors students only. Students must pay a \$40.00 laboratory studio fee.

|      |                       |                  |     |
|------|-----------------------|------------------|-----|
| 0101 | Justin Strom          | Seats (Total: 2) |     |
|      | TuTh 12:30pm - 3:00pm | ASY 1317         | Lab |

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**ARTT353 Elements of Photography**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.*

*Introduction to black-and-white photography. Basic technical and aesthetic vocabulary, camera mechanics and darkroom techniques. Introduction to the photographic message and meaning in both fine art and design concept.*

Students must pay a \$40.00 laboratory studio fee. SLR film camera required.

**Contact department for information to register for this course.**

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**ARTT355 Intermediate Graphic Design Principles**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: ARTT150, ARTT200, ARTT210, and ARTT255; and must be admitted to the Graphic Design Concentration (Track 3). Credit only granted for: ARTT350 or ARTT355. Formerly: ARTT350.*

*Investigation of basic concepts, history, techniques, and materials use by professional graphic designers, focusing on typography. Explores various aspects of design related to typography through examination and production of many types of finished work.*

Students must pay \$40.00 laboratory studio fee.

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0101 | Audra Buck-Coleman  | Seats (Total: 25) |     |
|      | MW 9:00am - 11:30am | ASY 2322          | Lab |

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### **ARTT356 Graphic Design Processes**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: ARTT150, ARTT200, ARTT210, and ARTT255; and must have been admitted to Graphic Design Concentration (Track 3). Credit only granted for: ARTT351 or ARTT356. Formerly: ARTT351.*

*Explores computer graphics and visual communication principles in a time-based context. Examination of fundamental design principles through digital projects that involve photo manipulation, digital illustration, layout, animation, and web design.*

Students must pay \$40.00 laboratory studio fee.

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0101 | Liese Zahabi          | Seats (Total: 25) |     |
|      | TuTh 9:00am - 11:30am | ASY 2322          | Lab |

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### **ARTT369P Special Topics in Study Abroad III; Spain Seen by Photography**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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### **ARTT370 Elements of Digital Media**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARTT150, ARTT200, ARTT210, and ARTT255; or permission of ARHU-Art department.*

*Exploration of image creation and manipulation, interactivity, and linkages between digital audio and video. Emphasis on issues in contemporary digital art.*

Students must pay \$40.00 laboratory studio fee.

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0101 | Brandon Morse         | Seats (Total: 14) |     |
|      | TuTh 12:30pm - 3:00pm | ASY 3304          | Lab |

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### **ARTT386 Experiential Learning**

(Perm req)

Credits: 3-6      Grading Method: Regular,  
Pass-Fail

*Prerequisite: Permission of ARHU-Art department. Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

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**ARTT389**

**Department of Art Undergraduate Teaching Assistantship**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Individual contractual agreement with faculty/mentor. Individualized assistantship in the teaching of a specified department course offering. Must have previously received an "A" grade for the class to be assisting.*

**Contact department for information to register for this course.**

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**ARTT399**

**Department of Art Research Assistantship**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Individual contractual agreement with faculty/mentor. Individualized experiential learning developed in relation to art-related research issues.*

**Contact department for information to register for this course.**

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**ARTT409K**

**Study Abroad Special Topics IV; New Media**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTT418B**

**Advanced Drawing Studio; A Contemporary Approach**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions.*

Prerequisite: ARTT150, ARTT200, and ARTT210; plus one 300-level studio course; or permission of department. Students must pay a \$40.00 laboratory studio fee. Repeatable to 12 credits. Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions.

0101

Steven Jones

Seats (Total: 16)

TuTh 12:30pm - 3:00pm

ASY 2314

Lab

|      |                    |                   |     |
|------|--------------------|-------------------|-----|
| 0301 | Jowita Wyszomirska | Seats (Total: 16) |     |
|      | MW 3:30pm - 6:00pm | ASY 2314          | Lab |

## ARTT418H **Advanced Drawing Studio; Honors Drawing: A Contemporary Approach**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions.*

Restricted to departmental honors students only. Students must pay a \$40.00 laboratory studio fee.

|      |                       |                  |     |
|------|-----------------------|------------------|-----|
| 0101 | Jowita Wyszomirska    | Seats (Total: 2) |     |
|      | MW 3:30pm - 6:00pm    | ASY 2314         | Lab |
| 0201 | Steven Jones          | Seats (Total: 2) |     |
|      | TuTh 12:30pm - 3:00pm | ASY 2314         | Lab |
| 0301 | Patrick Craig         | Seats (Total: 2) |     |
|      | TuTh 3:30pm - 6:00pm  | ASY 2314         | Lab |

## ARTT428 **Advanced Painting Studio; Painting**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Multi-level painting studio emphasizing advanced concepts and processes related to oil and acrylic painting; emphasis on contemporary art issues and individual directions in chosen media.*

Prerequisite: ARTT320 or permission of the department. Students must pay a \$40.00 laboratory studio fee. Repeatable to 12 credits. Multi-level painting studio emphasizing advanced concepts and processes related to oil and acrylic painting; emphasis on contemporary art issues and individual directions.

|      |                                  |                   |     |
|------|----------------------------------|-------------------|-----|
| 0101 | Leslie Berns                     | Seats (Total: 18) |     |
|      | TuTh 12:30pm - 3:00pm            | ASY 3318          | Lab |
| 0201 | Emily Conover                    | Seats (Total: 18) |     |
|      | TuTh 3:30pm - 6:00pm             | ASY 3316          | Lab |
|      | <i>Emphasizes acrylic paint.</i> |                   |     |
| 0301 | Richard Klank                    | Seats (Total: 8)  |     |
|      | MW 9:00am - 11:30am              | ASY 3322          | Lab |

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**ARTT428H      Advanced Painting Studio; Honors Painting**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Multi-level painting studio emphasizing advanced concepts and processes related to oil and acrylic painting; emphasis on contemporary art issues and individual directions in chosen media.*

Restricted to departmental honors students only. Students must pay a \$40.00 laboratory studio fee.

|      |                       |                  |     |
|------|-----------------------|------------------|-----|
| 0101 | Emily Conover         | Seats (Total: 2) |     |
|      | TuTh 3:30pm - 6:00pm  | ASY 3312         | Lab |
| 0201 | Leslie Berns          | Seats (Total: 2) |     |
|      | TuTh 12:30pm - 3:00pm | ASY 3322         | Lab |
| 0301 | Richard Klank         | Seats (Total: 2) |     |
|      | MW 9:00am - 11:30am   | ASY 3322         | Lab |

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**ARTT428X      Advanced Painting Studio; Advanced Painting Studio**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Multi-level painting studio emphasizing advanced concepts and processes related to oil and acrylic painting; emphasis on contemporary art issues and individual directions in chosen media.*

**Contact department for information to register for this course.**

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**ARTT438A      Advanced Sculpture Studio; Metal Casting and Mixed Media**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media.*

Prerequisite: ARTT330 or permission of department. Students must pay a \$40.00 studio laboratory fee.

|      |                    |                  |  |
|------|--------------------|------------------|--|
| 0101 | John Ruppert       | Seats (Total: 4) |  |
|      | MW 3:00pm - 5:30pm | ASY 1310         |  |

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**ARTT438C      Advanced Sculpture Studio; Steel and Mixed Media Sculpture**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media.*

Prerequisite: ARTT331 or permission of instructor. Students must pay a \$40.00 laboratory studio fee. Repeatable to 12 credits. Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media.

|      |                    |                  |  |
|------|--------------------|------------------|--|
| 0101 | John Ruppert       | Seats (Total: 8) |  |
|      | MW 3:00pm - 5:30pm | ASY 1314         |  |

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**ARTT438D      Advanced Sculpture Studio; Wood and Mixed Media**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media.*

Students must pay a \$40.00 laboratory studio fee. Repeatable to 12 credits. Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media.

|      |                      |                  |     |
|------|----------------------|------------------|-----|
| 0101 | Foon Sham            | Seats (Total: 4) |     |
|      | TuTh 3:00pm - 5:30pm | ASY 1311         | Lab |

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**ARTT438H      Advanced Sculpture Studio; Honors Sculpture**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media.*

Restricted to departmental honors students only. Students must pay a \$40.00 laboratory studio fee.

|      |                      |                  |     |
|------|----------------------|------------------|-----|
| 0101 | Foon Sham            | Seats (Total: 2) |     |
|      | TuTh 3:00pm - 5:30pm | ASY 1311         | Lab |
| 0201 | John Ruppert         | Seats (Total: 2) |     |
|      | MW 3:00pm - 5:30pm   | ASY 1314         |     |
| 0301 | John Ruppert         | Seats (Total: 2) |     |
|      | MW 12:30pm - 3:00pm  | ASY 1314         | Lab |

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**ARTT438I      Advanced Sculpture Studio; Metal Casting**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media.*

Prerequisite: ARTT330 or permission of instructor. Students must pay a \$40.00 laboratory studio fee. Repeatable to 12 credits. Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media.

|      |                     |                  |     |
|------|---------------------|------------------|-----|
| 0101 | John Ruppert        | Seats (Total: 4) |     |
|      | MW 12:30pm - 3:00pm | ASY 1310         | Lab |

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**ARTT448A      Advanced Printmaking Studio; Intaglio**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media.*

Prerequisite: ARTT340. Students must pay a \$40.00 laboratory studio fee. Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media.

|      |                     |                  |     |
|------|---------------------|------------------|-----|
| 0101 | Matthew McLaughlin  | Seats (Total: 4) |     |
|      | MW 12:30pm - 3:00pm | ASY 1317         | Lab |

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**ARTT448E      Advanced Printmaking Studio; Screen Printing**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media.*

Prerequisite: ARTT343. Students must pay a \$40.00 laboratory studio fee. Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media.

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | Justin Strom         | Seats (Total: 12) |     |
|      | TuTh 3:00pm - 5:30pm | ASY 1317          | Lab |

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**ARTT448F      Advanced Printmaking Studio; Advanced Woodcut and Relief**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media.*

Prerequisite: ARTT341. Students must pay a \$40.00 laboratory studio fee. Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media.

|      |                      |                  |     |
|------|----------------------|------------------|-----|
| 0101 | Alessandra Echeverri | Seats (Total: 4) |     |
|      | MW 9:00am - 11:30am  | ASY 1317         | Lab |

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### **ARTT448H      Advanced Printmaking Studio; Honors Printmaking Studio**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media.*

Prerequisite: 300-level printmaking course and admission to Department Honors Program. Permission of Department required. Students must pay a \$40.00 studio lab fee.

|      |                      |                  |     |
|------|----------------------|------------------|-----|
| 0101 | Justin Strom         | Seats (Total: 4) |     |
|      | TuTh 3:00pm - 5:30pm | ASY 1317         | Lab |
| 0401 | Matthew McLaughlin   | Seats (Total: 2) |     |
|      | MW 12:30pm - 3:00pm  | ASY 1317         | Lab |
| 0501 | Alessandra Echeverri | Seats (Total: 2) |     |
|      | MW 9:00am - 11:30am  | ASY 1317         | Lab |

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### **ARTT454      Advanced Graphic Design Principles: Design in Society**

(Perm req)

Credits: 3                      Grading Method: Regular

*Prerequisite: ARTT355 and ARTT356.*

*Focus on social responsibility and community activism. History and theory of propaganda and advocacy-based design. Students explore current design practices, work individually, and collaborate in teams with non-profits or other clients with community-based or socio-cultural agendas. Research and writing-intensive course.*

\$40 laboratory studio fee.

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0101 | Audra Buck-Coleman  | Seats (Total: 25) |     |
|      | MW 12:30pm - 3:00pm | ASY 2322          | Lab |



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**ARTT457      Advanced Interactive Design**

(Perm req)

Credits: 3                      Grading Method: Regular

*Prerequisite: ARTT357.*

*Advanced concepts and techniques of interactive design and interactive software. Examination of corporate, client-based, and public service-based interactive graphic design. Emphasis on web-based interactive design structures.*

\$40 laboratory studio fee.

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0101 | Liese Zahabi          | Seats (Total: 20) |     |
|      | TuTh 12:30pm - 3:00pm | ASY 2322          | Lab |

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**ARTT460      Seminar in Art Theory**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Senior standing.*

*Exploration of relationship between content and processes of art in a contemporary multi-cultural context.*

**Contact department for information to register for this course.**

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**ARTT468A      Seminar on the Interrelationship Between Art and Art Theory**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The relationship between a student's work and the theoretical context of contemporary art.*

**Contact department for information to register for this course.**

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**ARTT468W      Seminar on the Interrelationship Between Art and Art Theory; History and Workshop of Latin America Photography**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The relationship between a student's work and the theoretical context of contemporary art.*

**Contact department for information to register for this course.**

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**ARTT479A      Advanced Digital Media Studio; Code and Form**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Variable multi-level studio emphasizing advanced concepts and processes related to time-based, projection, installation, interactive, and audio/visual integrated digital art. Emphasis on contemporary art issues and individual directions.*

There is a \$40.00 studio lab fee. Advanced level course in Digital Media emphasizing contemporary practices and theories in the area of Digital Fabrication. 3-D modeling, 3-D printing and related digital fabrication techniques are covered.

|      |                    |                   |     |
|------|--------------------|-------------------|-----|
| 0101 | Cy Keener          | Seats (Total: 14) |     |
|      | MW 3:00pm - 5:30pm | ASY 3304          | Lab |

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**ARTT479C      Advanced Digital Media Studio; Sound Art: Practice and Theory**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Variable multi-level studio emphasizing advanced concepts and processes related to time-based, projection, installation, interactive, and audio/visual integrated digital art. Emphasis on contemporary art issues and individual directions.*

Prerequisite: ARTT370. Students must pay a \$40.00 studio lab fee. Basics of sound recording, mixing, and processing, as well as creative applications of sound used for screen-based practices, performance and installation art. Theoretical concepts central to sound as an artistic medium are also introduced.

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0101 | Shannon Collis      | Seats (Total: 14) |     |
|      | MW 12:30pm - 3:00pm | ASY 3304          | Lab |

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**ARTT479D      Advanced Digital Media Studio; Immersive and Virtual Environments**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Variable multi-level studio emphasizing advanced concepts and processes related to time-based, projection, installation, interactive, and audio/visual integrated digital art. Emphasis on contemporary art issues and individual directions.*

Introduction to the uses of game development software in an artistic context. Practical examination of interactive, immersive and installation art as mediated through the context of real-time computer generated imagery and game engine methodologies.

|      |                      |                   |  |
|------|----------------------|-------------------|--|
| 0101 | Brandon Morse        | Seats (Total: 14) |  |
|      | TuTh 3:00pm - 5:30pm | ASY 3304          |  |

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**ARTT479H      Advanced Digital Media Studio; Honors Advanced Digital Media**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Variable multi-level studio emphasizing advanced concepts and processes related to time-based, projection, installation, interactive, and audio/visual integrated digital art. Emphasis on contemporary art issues and individual directions.*

Prerequisite: ARTT370. Restricted to Departmental Honors students. Basics of sound recording, mixing, and processing, as well as creative applications of sound used for screen-based practices, performance and installation art. Theoretical concepts central to sound as an artistic medium are also introduced. Students must pay a \$40.00 studio lab fee.

|      |   |                  |     |
|------|---|------------------|-----|
| 0101 | Brandon Morse                                   | Seats (Total: 2) |     |
|      | TuTh 3:00pm - 5:30pm                            | ASY 3304         |     |
|      | <i>Advanced Code and Form.</i>                  |                  |     |
| 0201 | Shannon Collis                                  | Seats (Total: 2) |     |
|      | MW 12:30pm - 3:00pm                             | ASY 3311E        | Lab |
|      | <i>Advanced Sound Art: Practice and Theory.</i> |                  |     |

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#### ARTT480H

##### Honors Seminar

(Perm req)

Credits: 3

Grading Method: Regular

*Team-taught seminar focusing on relationship between student's work and the theoretical context of contemporary art.*

Students must pay \$40.00 laboratory fee.

|      |                    |                  |     |
|------|--------------------|------------------|-----|
| 0101 | Shannon Collis     | Seats (Total: 7) |     |
|      | F 10:00am - 1:30pm | ASY 2311         | Lab |

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#### ARTT489C

##### Advanced Special Topics in Art; Markets and Collecting

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Advanced studio art and theory within the context of a special topic.*

|      |                     |                   |  |
|------|---------------------|-------------------|--|
| 0101 | Rex Weil            | Seats (Total: 15) |  |
|      | Th 11:30am - 2:00pm | ASY 3219          |  |

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#### ARTT489I

##### Advanced Special Topics in Art; Digital Imaging

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Advanced studio art and theory within the context of a special topic.*

Prerequisite: ARTT354. Students must pay a \$40.00 laboratory studio fee.

**Contact department for information to register for this course.**

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**ARTT489N**

**Advanced Special Topics in Art; Design in Illustration**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Advanced studio art and theory within the context of a special topic.*

Prerequisite: ARTT210. This course may not be used to satisfy the studio art elective requirement for the Graphic Design Concentration-Track 3. Students must pay a \$40.00 studio lab fee.

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0101 | James Thorpe          | Seats (Total: 20) |     |
|      | TuTh 9:00am - 11:30am | ASY 2318          | Lab |

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**ARTT489R**

**Advanced Special Topics in Art; New Media**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Advanced studio art and theory within the context of a special topic.*

**Contact department for information to register for this course.**

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**ARTT498A**

**Directed Studies in Studio Art**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Advanced independent work in Studio Art. Meeting with faculty and studi time arranged.*

Students must pay a \$40.00 studio lab fee.

**Contact department for information to register for this course.**

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**ARTT498B**

**Directed Studies in Studio Art**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Advanced independent work in Studio Art. Meeting with faculty and studi time arranged.*

Students must pay a \$40.00 studio lab fee.

**Contact department for information to register for this course.**

---

**ARTT498H Directed Studies in Studio Art; Honors Thesis**

(Perm req)

Credits: 2-3

Grading Method: Regular,  
Pass-Fail, Audit

*Advanced independent work in Studio Art. Meeting with faculty and studi time arranged.*

Restricted to departmental honors students only. Prerequisite: permission of department. Students must pay a \$40.00 studio lab fee.

**Contact department for information to register for this course.**

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**ARTT498I Directed Studies in Studio Art; Animation, Editing, and Special Effects**

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Advanced independent work in Studio Art. Meeting with faculty and studi time arranged.*

**Contact department for information to register for this course.**

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**ARTT618 Drawing; Drawing**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Independent studies in drawing for advanced special students.*

Students must pay a \$60.00 studio lab fee.

**Contact department for information to register for this course.**

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**ARTT628 Painting; Painting**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Graduate painting for advanced special students.*

Students must pay a \$60.00 studio lab fee.

**Contact department for information to register for this course.**

---

**ARTT638 Sculpture; Sculpture**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Independent studies in sculpture for advanced special students.*

Students must pay a \$60.00 studio lab fee.

**Contact department for information to register for this course.**

---

**ARTT648      Printmaking; Printmaking**

(Perm req)

Credits: 3                      Grading Method: Regular,  
   Audit

*Independent studies in printmaking for advanced special students.*

Students must pay a \$60.00 studio lab fee.

**Contact department for information to register for this course.**

---

**ARTT698A      Directed Graduate Studies in Studio Art**

(Perm req)

Credits: 1-4                      Grading Method: Regular,  
   Audit

*Independent work. Meetings with faculty and studio time arranged.*

Students must pay a \$60.00 studio lab fee.

**Contact department for information to register for this course.**

---

**ARTT698B      Directed Graduate Studies in Studio Art**

(Perm req)

Credits: 1-4                      Grading Method: Regular,  
   Audit

*Independent work. Meetings with faculty and studio time arranged.*

Students must pay a \$60.00 studio lab fee.

**Contact department for information to register for this course.**

---

**ARTT698C      Directed Graduate Studies in Studio Art; Graduate Teaching Practicum**

(Perm req)

Credits: 1-4                      Grading Method: Regular,  
   Audit

*Independent work. Meetings with faculty and studio time arranged.*

Students must pay a \$60.00 studio lab fee.

**Contact department for information to register for this course.**

---

**ARTT699A      Directed Graduate Studies in Studio Art**

(Perm req)

Credits: 1-4                      Grading Method: Regular,  
   Audit

*Independent graduate studies.*

Students must pay a \$60.00 studio lab fee.

**Contact department for information to register for this course.**

---

**ARTT699B**

**Directed Graduate Studies in Studio Art**

(Perm req)

Credits: 1-4

Grading Method: Regular,  
Audit

*Independent graduate studies.*

Students must pay a \$60.00 studio lab fee.

**Contact department for information to register for this course.**

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**ARTT718**

**Drawing; Drawing**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Independent studies in drawing for advanced special students.*

Students must pay a \$60.00 studio lab fee.

**Contact department for information to register for this course.**

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**ARTT728**

**Painting; Painting**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Independent studies in painting for advanced special students.*

Students must pay a \$60.00 studio lab fee.

**Contact department for information to register for this course.**

---

**ARTT738**

**Sculpture; Sculpture**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Independent studies in sculpture for advanced special students.*

Students must pay a \$60.00 studio lab fee.

**Contact department for information to register for this course.**

---

**ARTT748**

**Printmaking; Printmaking**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Independent studies in printmaking for advanced special students.*

Students must pay a \$60.00 studio lab fee.

**Contact department for information to register for this course.**

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**ARTT768****Graduate Colloquium**

(Perm req)

Credits: 2

Grading Method: Regular,  
Audit

*Examines various aspects of art, art theory and criticism in a contemporary and multi-cultural context.  
Relates student work to this context.*

Students must pay a \$60.00 laboratory studio fee.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Justin Strom       | Seats (Total: 20) |
|      | Tu 6:30pm - 9:30pm | MMH 0401          |

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**ARTT798A****Directed Graduate Studies in Studio Art**

(Perm req)

Credits: 1-4

Grading Method: Regular,  
Audit

*Independent graduate studies.*

Students must pay a \$60.00 studio lab fee.

**Contact department for information to register for this course.**

---

**ARTT798B****Directed Graduate Studies in Studio Art**

(Perm req)

Credits: 1-4

Grading Method: Regular,  
Audit

*Independent graduate studies.*

Students must pay a \$60.00 studio lab fee.

**Contact department for information to register for this course.**

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**ARTT799****Master's Thesis Research**

Credits: 1-6

Grading Method: Regular

**Contact department for information to register for this course.**

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**ASTR****Astronomy****Fall 2017**

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**ASTR100****Introduction to Astronomy**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: PS

General Education: DSNS



*Credit only granted for: ASTR100, ASTR101, or ASTR120.*

*An elementary course in descriptive astronomy, especially appropriate for non-science students. Topics include the Sun, Moon, planets, stars, and nebulae, galaxies, and evolution of the Universe.*

|   |                       |                   |            |
|---|-----------------------|-------------------|------------|
| 0101  | Suvi Gezari           | Seats (Total: 40) |            |
|   | TuTh 9:30am - 10:45am | PHY 1412          |            |
|   | M 1:00pm - 1:50pm     | ATL 2400          | Discussion |
| 0102  | Suvi Gezari           | Seats (Total: 40) |            |
|   | TuTh 9:30am - 10:45am | PHY 1412          |            |
|   | M 2:00pm - 2:50pm     | ATL 2400          | Discussion |
| 0103  | Suvi Gezari           | Seats (Total: 40) |            |
|   | TuTh 9:30am - 10:45am | PHY 1412          |            |
|   | M 3:00pm - 3:50pm     | ATL 2400          | Discussion |
| 0104  | Suvi Gezari           | Seats (Total: 40) |            |
|   | TuTh 9:30am - 10:45am | PHY 1412          |            |
|   | F 10:00am - 10:50am   | ATL 2400          | Discussion |
| 0105  | Suvi Gezari           | Seats (Total: 40) |            |
|   | TuTh 9:30am - 10:45am | PHY 1412          |            |
|   | F 11:00am - 11:50am   | ATL 2400          | Discussion |
| 0106  | Suvi Gezari           | Seats (Total: 40) |            |
|   | TuTh 9:30am - 10:45am | PHY 1412          |            |
|   | F 12:00pm - 12:50pm   | ATL 2400          | Discussion |
| FC01  | Blake Hartley         | Seats (Total: 32) |            |
|   | TuTh 4:30pm - 5:45pm  | ATL 1113          |            |
|   | F 1:00pm - 1:50pm     | ATL 2428          | Discussion |
| <i>Restricted to students in Freshmen Connection.</i> |                       |                   |            |

## ASTR101

### General Astronomy

Credits: 4      Grading Method: Regular, Pass-Fail, Audit      CORE: PL      General Education: DSNL

*Credit only granted for: ASTR100, ASTR101, or ASTR120.*

*Descriptive astronomy, appropriate for non-science majors. Sun, moon, planets, stars, nebulae, galaxies and evolution. Laboratory exercises include use of photographic material, computer simulations, and standard laboratory equipment.*

Discussion sections and lab sections do not meet the first week of classes. Attend lecture before coming to discussion or lab sections.

|      |  |   |                   |
|------|--|---|-------------------|
| 0101 | Sylvain Veilleux<br>TuTh 11:00am - 12:15pm<br>Tu 5:30pm - 7:30pm<br>Tu 3:30pm - 4:20pm   | Seats (Total: 20)<br>PHY 1412<br>ATL 0254<br>ATL 2400 | Lab<br>Discussion |
| 0102 | Sylvain Veilleux<br>TuTh 11:00am - 12:15pm<br>W 8:30am - 10:30am<br>Tu 3:30pm - 4:20pm   | Seats (Total: 20)<br>PHY 1412<br>ATL 0254<br>ATL 2400 | Lab<br>Discussion |
| 0103 | Sylvain Veilleux<br>TuTh 11:00am - 12:15pm<br>W 11:00am - 1:00pm<br>W 10:00am - 10:50am  | Seats (Total: 20)<br>PHY 1412<br>ATL 0254<br>ATL 2400 | Lab<br>Discussion |
| 0104 | Sylvain Veilleux<br>TuTh 11:00am - 12:15pm<br>Th 3:30pm - 5:30pm<br>W 10:00am - 10:50am  | Seats (Total: 20)<br>PHY 1412<br>ATL 0254<br>ATL 2400 | Lab<br>Discussion |
| 0105 | Sylvain Veilleux<br>TuTh 11:00am - 12:15pm<br>W 1:00pm - 3:00pm<br>W 11:00am - 11:50am   | Seats (Total: 20)<br>PHY 1412<br>ATL 0254<br>ATL 2400 | Lab<br>Discussion |
| 0106 | Sylvain Veilleux<br>TuTh 11:00am - 12:15pm<br>Th 8:30am - 10:30am<br>W 11:00am - 11:50am | Seats (Total: 20)<br>PHY 1412<br>ATL 0254<br>ATL 2400 | Lab<br>Discussion |
| 0107 | Sylvain Veilleux<br>TuTh 11:00am - 12:15pm<br>W 6:00pm - 8:00pm<br>W 12:00pm - 12:50pm   | Seats (Total: 20)<br>PHY 1412<br>ATL 0254<br>ATL 2400 | Lab<br>Discussion |
| 0108 | Sylvain Veilleux<br>TuTh 11:00am - 12:15pm<br>Th 6:00pm - 8:00pm<br>W 12:00pm - 12:50pm  | Seats (Total: 20)<br>PHY 1412<br>ATL 0254<br>ATL 2400 | Lab<br>Discussion |

|   |                        |                   |            |
|---|------------------------|-------------------|------------|
| 0109  | Sylvain Veilleux       | Seats (Total: 20) |            |
|   | TuTh 11:00am - 12:15pm | PHY 1412          |            |
|   | F 9:00am - 11:00am     | ATL 0254          | Lab        |
|   | W 1:00pm - 1:50pm      | ATL 1113          | Discussion |
| 0110  | Sylvain Veilleux       | Seats (Total: 20) |            |
|   | TuTh 11:00am - 12:15pm | PHY 1412          |            |
|   | F 12:00pm - 2:00pm     | ATL 0254          | Lab        |
|   | W 1:00pm - 1:50pm      | ATL 1113          | Discussion |
| FC01  | Blake Hartley          | Seats (Total: 15) |            |
|   | TuTh 4:30pm - 5:45pm   | ATL 1113          |            |
|   | M 6:00pm - 8:00pm      | ATL 0254          | Lab        |
|   | F 1:00pm - 1:50pm      | ATL 2428          | Discussion |
| <i>Restricted to students in Freshmen Connection.</i> |                        |                   |            |

## ASTR120 Introductory Astrophysics - Solar System

Credits: 3      Grading Method: Regular      CORE: PS      General Education: DSNS

*Prerequisite: Must have completed or be concurrently enrolled in MATH140. Restriction: Must not have completed ASTR101 or ASTR100. Credit only granted for: ASTR100, ASTR101, or ASTR120.*

*For students majoring in astronomy or with a strong interest in science Topics include development of astronomy, planetary orbits, electromagnetic radiation, telescopes as well as constituents and origin of the solar system (planets, satellites, comets, asteroids, meteoroids, etc.).*

|      |                        |                   |            |
|------|------------------------|-------------------|------------|
| 0101 | Michael Miller         | Seats (Total: 30) |            |
|      | TuTh 11:00am - 12:15pm | ATL 2400          |            |
|      | F 1:00pm - 1:50pm      | ATL 2400          | Discussion |

## ASTR230 The Science and Fiction of Planetary Systems

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: PS      General Education: DSNS, SCIS

*Prerequisite: Must have math eligibility of MATH115 or higher; or MATH113.*

*Have you ever wondered if humans will ever terraform Mars or Europa so we could live there without a spacesuit? Has it ever crossed your mind how lucky you are that you live on a water-rich planet with an oxygen-rich atmosphere? Have you ever suspected novelists and scriptwriters of creating ridiculous planets that violate scientific laws? Does the fate of our planet's thin biosphere keep you up at night? How common is life in the Universe? These are difficult questions, but armed with the right information, you can answer all of them. The Science and Fiction of Planetary Systems will help you develop a deeper understanding of why planets are the way they are. Along the way, you'll see examples of mistakes made in classic science fiction movies, novels and short stories and get the chance to invent your own plausible planets!*

|      |                       |                      |
|------|-----------------------|----------------------|
| 0101 | Alan Peel             | Seats (Total: 36)    |
|      | M 9:00am - 9:50am     | PHY 1410             |
|      | MWF 12:00pm - 12:50pm | ESJ B0320 Discussion |
| 0102 | Alan Peel             | Seats (Total: 36)    |
|      | M 9:00am - 9:50am     | PHY 1410             |
|      | MWF 1:00pm - 1:50pm   | ESJ B0320 Discussion |
| 0103 | Alan Peel             | Seats (Total: 36)    |
|      | M 9:00am - 9:50am     | PHY 1410             |
|      | MWF 2:00pm - 2:50pm   | ESJ B0320 Discussion |

## ASTR288

### Special Projects in Astronomy

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail

*Independent study, short research projects, tutorial reading, and assisting with faculty research and teaching under special supervision.*

A faculty sponsor must be found by the students prior to enrollment.

**Contact department for information to register for this course.**

## ASTR288C

### Special Projects in Astronomy; Astronomy Research Techniques

(Perm req)

Credits: 2

Grading Method: Regular,  
Pass-Fail, Audit

*Independent study, short research projects, tutorial reading, and assisting with faculty research and teaching under special supervision.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Amy Lien          | Seats (Total: 10) |
|      | M 3:30pm - 5:15pm | ATL 0201          |

**ASTR288I****Special Projects in Astronomy; Introduction to the Astronomy Major**

(Perm req)

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Independent study, short research projects, tutorial reading, and assisting with faculty research and teaching under special supervision.*

Prerequisite: permission of department.

|      |                                     |                   |
|------|-------------------------------------|-------------------|
| 0101 | Andrew Harris, Melissa Hayes-Gehrke | Seats (Total: 20) |
|      | M 4:00pm - 4:50pm                   | ATL 1114          |
| 0201 | Melissa Hayes-Gehrke, Andrew Harris | Seats (Total: 20) |
|      | Tu 4:00pm - 4:50pm                  | ATL 1106          |

**ASTR288P****Special Projects in Astronomy; Introduction to Astronomical Programming**

(Perm req)

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Independent study, short research projects, tutorial reading, and assisting with faculty research and teaching under special supervision.*

Prerequisite: Permission of CMNS-Astronomy department required. Must have completed or be concurrently enrolled in ASTR121. Astronomy students are provided with the basics of using the Unix/Linux operating system and scientific programming using either C or Python.

|      |                   |                  |
|------|-------------------|------------------|
| 0101 | Sean Griffin      | Seats (Total: 8) |
|      | F 2:00pm - 4:00pm | ATL 0224         |

**ASTR300****Stars and Stellar Systems**

Credits: 3                      Grading Method: Regular,                      General Education: DSNS  
Pass-Fail, Audit

*Prerequisite: ASTR100 or ASTR101; and completion of the CORE Distributive Studies requirement in Mathematics and Sciences or General Education Fundamental Studies requirement in Mathematics. Or permission of CMNS-Astronomy department.*

*Designed primarily for non-science majors. Study of stars-types, properties, evolution, and distribution in space; supernovae, pulsars, and black holes.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | A Sharma               | Seats (Total: 60) |
|      | TuTh 11:00am - 12:15pm | ESJ 2309          |

**ASTR310****Observational Astronomy**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP

*Prerequisite: ASTR121; and (PHYS171 or PHYS161). Or permission of CMNS-Astronomy department.  
Restriction: Must be in Astronomy program.*

*Introduction to current optical observational techniques, with brief coverage of infrared, ultraviolet, and x-ray techniques. Statistics, spherical trigonometry time, catalogs, geometrical and physical optics, telescopes, and optical instruments. Effects of the atmosphere. Practical work at the observatory using a CCD camera. Some nighttime observing sessions.*

|      |                      |                           |
|------|----------------------|---------------------------|
| 0101 | Melissa Hayes-Gehrke | Seats (Total: 10)         |
|      | TuTh 2:00pm - 3:15pm | ATL 1114                  |
|      | M 9:00am - 10:50am   | ATL 0224              Lab |
| 0102 | Melissa Hayes-Gehrke | Seats (Total: 10)         |
|      | TuTh 2:00pm - 3:15pm | ATL 1114                  |
|      | M 1:00pm - 2:50pm    | ATL 0224              Lab |

**ASTR330****Solar System Astronomy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSNS

*Prerequisite: ASTR100 or ASTR101; and completion of the CORE Distributive Studies requirement in Mathematics and Sciences or the General Education Fundamental Studies requirement in Mathematics. Or permission of CMNS-Astronomy department. Credit only granted for: ASTR330 or GEOL212.*

*Designed primarily for non-science majors. The structure of planets and of their atmospheres, the nature of comets, asteroids, and satellites. Comparison of various theories for the origin of the solar system. Emphasis on a description of recent data and interpretation.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Jessica Sunshine      | Seats (Total: 60) |
|      | TuTh 9:30am - 10:45am | ATL 2400          |

**ASTR380****Life in the Universe - Astrobiology**

Credits: 3                      Grading Method: Regular,  
Audit

General Education: DSNS

*Designed primarily for non-science majors. Study of the astronomical perspective on the conditions for the origin and existence of life in the universe.*

|      |                                   |                   |
|------|-----------------------------------|-------------------|
| 0101 | Michael Corcoran, Kenji Hamaguchi | Seats (Total: 60) |
|      | TuTh 2:00pm - 3:15pm              | ATL 2400          |

### ASTR399

#### Honors Seminar

(Perm req)

Credits: 1-16

Grading Method: Regular,  
Pass-Fail, Audit

*Credit according to work done.*

**Contact department for information to register for this course.**

### ASTR435

#### Astrophysics of Exoplanets

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ASTR121; and (PHYS273; or (PHYS270 and PHYS271)). Or permission of CMNS-Astronomy department. Credit only granted for: ASTR 498X or ASTR 435. Formerly: ASTR 498X.*

*Introduction to exoplanets. Topics include historical development, advantages, and limitations of detection methods, the statistics of exoplanet characteristics, the bulk properties of known exoplanets, and remote sensing for characterization of exoplanets.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Leo Deming           | Seats (Total: 30) |
|      | TuTh 3:30pm - 4:45pm | ATL 2428          |

### ASTR450

#### Orbital Dynamics

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have completed or be concurrently enrolled in ASTR320; or permission of CMNS-Astronomy department.*

*Vectorial mechanics, motion in a central force field, gravitational and non-gravitational forces, the two-body and three-body problems, orbital elements and orbital perturbation theory, resonances in the solar system, chaos. Intended for students majoring in any of the physical sciences.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Douglas Hamilton      | Seats (Total: 30) |
|      | TuTh 12:30pm - 1:45pm | ATL 2428          |

### ASTR498

#### Special Problems in Astronomy

(Perm req)

Credits: 1-6

Grading Method: Regular,  
Pass-Fail, Audit

*Research or special study. Credit according to work done.*

**Contact department for information to register for this course.**

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**ASTR601****Radiative Processes**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Restriction: Permission of CMNS-Astronomy department.*

*Emission, absorption, and scattering of radiation by matter, with astrophysical applications.*

*Thermodynamics and statistical mechanics: LTE, Boltzmann, and Saha equations; radiative transfer; atomic and molecular radiation; plasma radiation and transfer: bremsstrahlung, synchrotron emission, Compton scattering.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Massimo Ricotti       | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | ATL 0201          |

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**ASTR615****Computational Astrophysics**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Restriction: Permission of CMNS-Astronomy department. Formerly: ASTR688C.*

*Introduction to computational techniques used in astrophysical research. Topics include modern high performance computer architectures, scientific visualization and data analysis, and detailed descriptions of numerical algorithms for the solution to a wide range of mathematical systems important in astrophysics.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Derek Richardson     | Seats (Total: 20) |
|      | TuTh 2:00pm - 3:15pm | ATL 0224          |

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**ASTR620****Galaxies**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Restriction: Permission of CMNS-Astronomy department.*

*Galaxy classifications; Milky way: basic data, distribution of stars, gas, dust and relativistic particles, large-scale structure and rotation; Spiral galaxies: stellar dynamics and stability, density waves, star bursts, galactic center; Elliptical galaxies: stellar dynamics, cannibalism; galaxy formation.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Richard Mushotzky  | Seats (Total: 20) |
|      | MW 2:00pm - 3:15pm | ATL 0201          |



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**ASTR695 Introduction to Research**

(Perm req)

Credits: 1      Grading Method: Sat-Fail

*Provides an introduction to research programs in the Department of Astronomy and a forum to explore possible research projects. Aimed at incoming graduate students.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Michael Miller    | Seats (Total: 20) |
|      | M 5:00pm - 5:50pm | Location: TBA     |

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**ASTR699 Special Problems in Advanced Astronomy**

(Perm req)

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**ASTR799 Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**ASTR898 Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

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**ASTR899 Doctoral Dissertation Research**

(Perm req)

Credits: 6      Grading Method: Regular

**Contact department for information to register for this course.**

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**BCHM Biochemistry****Fall 2017**

*The College of Computer, Mathematical and Natural Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course. Registration in course sections which begin with "SEF\*" are restricted to Post-Baccalaureate students who enroll through the Science in the Evening Program in the College of Computer, Mathematical and Natural Sciences. Please note that this class is charged at the regular part-time tuition rate (on a per credit basis), even for full- time students. To register or to learn more about the Science in the Evening program, you must contact the Life Sciences Outreach and Special Programs Office at (301) 405-6892.*

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**BCHM461 Biochemistry I**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in CHEM271 and CHEM272; or minimum grade of C- in CHEM276 and CHEM277. Credit only granted for: BCHM461 or BCHM463.*

*First semester of a comprehensive introduction to modern biochemistry. Structure, chemical properties, and function of proteins and enzymes, carbohydrates, lipids, and nucleic acids. Basic enzyme kinetics and catalytic mechanisms.*

|      |  |                                |
|------|--|--------------------------------|
| 0101 | Dorothy Beckett<br>TuTh 9:30am - 10:45am | Seats (Total: 110)<br>CHM 1402 |
| 0102 | David Fushman<br>MW 4:00pm - 5:15pm      | Seats (Total: 110)<br>CHM 1402 |
| 0103 | Paul Paukstelis<br>TuTh 12:30pm - 1:45pm | Seats (Total: 105)<br>CHM 1402 |

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#### **BCHM462 Biochemistry II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in BCHM461. Credit only granted for: BCHM462 or BCHM463.*

*A continuation of BCHM 461. Metabolic pathways and metabolic regulation energy transduction in biological systems, enzyme catalytic mechanisms.*

|      |  |                                |
|------|--|--------------------------------|
| 0102 | Douglas Julin<br>MWF 11:00am - 11:50am | Seats (Total: 100)<br>CHM 1402 |
|------|--|--------------------------------|

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#### **BCHM463 Biochemistry of Physiology**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: Minimum grade of C- in CHEM271 and CHEM272; or minimum grade of C- in CHEM276 and CHEM277. Credit only granted for: BCHM461, BCHM462 or BCHM463.*

*A one-semester introduction to general biochemistry. A study of protein structure, enzyme catalysis, metabolism, and metabolic regulation with respect to their relationship to physiology.*

|      |  |                                |
|------|--|--------------------------------|
| 0101 | Christiana Addei-Maanu<br>TuTh 11:00am - 12:15pm | Seats (Total: 125)<br>CHM 1402 |
| 0103 | Bonnie Dixon<br>MWF 12:00pm - 12:50pm            | Seats (Total: 125)<br>CHM 1402 |

|      |   |   |
|------|---|---|
| SEF1 | Christiana Addei-Maanu<br>M 6:30pm - 9:30pm | Seats (Total: 40)<br>MCB 1207<br><i>Restricted to students in the SIE Program. Click here for more information.</i>   |
| SG91 | Ryan Marcheschi<br>MW 9:30am - 10:45am      | Seats (Total: 40)<br>BLD2 3022<br><i>Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email <a href="mailto:usgbiosci@umd.edu">usgbiosci@umd.edu</a> for permission.</i> |

## BCHM464

### Biochemistry Laboratory

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BCHM461 or BCHM463; and a grade of C- or better in the prerequisite is required for all College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: BCHM465. Restriction: BCHM, CHEM, and Nutritional Sciences majors have first priority, followed by other life science majors.*

*Biochemical and genetic methods for studying protein function. Site-directed mutagenesis and molecular cloning, protein purification, enzyme activity assays, computer modeling of protein structure.*

Students must pay a \$40.00 laboratory materials fee.

|      |  |  |
|------|--|--|
| 0101 | Christopher Capp<br>Tu 12:30pm - 1:20pm<br>Th 12:30pm - 5:30pm | Seats (Total: 18)<br>CHM 1224<br>ESJ 0316      Lab |
| 0102 | Christopher Capp<br>Tu 12:30pm - 1:20pm<br>W 12:00pm - 5:00pm  | Seats (Total: 18)<br>CHM 1224<br>ESJ 0316      Lab |

## BCHM465

### Biochemistry III

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: CS

*Prerequisite: BCHM461 or BCHM463; and a grade of C- or better in the prerequisite is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Recommended: BCHM462.*

*CORE Capstone (CS) Course. An advanced course in biochemistry. Biochemical approach to cellular information processing. DNA and RNA structure. DNA replication, transcription, and repair. Translation of mRNA to make proteins.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Theodore Dayie       | Seats (Total: 80) |
|      | TuTh 8:00am - 9:15am | CHM 1402          |

## BCHM661 Nucleic Acids I

Credits: 2      Grading Method: Regular,  
Audit

*Prerequisite: BSCI410 and BCHM465.*

*Topics covered: Chemistry and structure of DNA and RNA, from nucleotide to chromatin, chromosomes, and genomes, and some methods for studying, synthesizing, sequencing and manipulating nucleic acids. Rudimentary genomics and bioinformatics. DNA Biology: selected aspects of the biochemistry and regulation of DNA replication, repair, and recombination, and how these processes interact with each other.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Jason Kahn                                      | Seats (Total: 30) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                   |
|      | MWF 9:30am - 10:50am                            | BSB 2118          |

## BCHM662 Nucleic Acids II

Credits: 2      Grading Method: Regular,  
Audit

*Prerequisite: BCHM661.*

*Topics covered: Interactions between nucleic acids and ligands such as cations, drugs, and especially proteins. Sources of binding affinity and specificity. Selection-amplification methods. Description of several classes of protein-nucleic acids complexes. DNA/RNA catalysis, the origin of life, mobile genetic elements.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Jason Kahn  | Seats (Total: 30) |
|      | <b>Meets October 15, 2017 - December 11, 2017</b> |                   |
|      | MWF 9:30am - 10:50am                              | BSB 2118          |

## BCHM669C Special Topics in Biochemistry; Protein Folding and Disease

Credits: 3      Grading Method: Regular,  
Audit

|      |   |                   |
|------|---|-------------------|
| 0101 | John Orban                                      | Seats (Total: 10) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                   |
|      | TuTh 2:00pm - 4:40pm                            | PLS 5112          |

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**BCHM669D Special Topics in Biochemistry; Drug Discovery**

Credits: 3                      Grading Method: Regular,  
Audit

|      |   |                   |
|------|---|-------------------|
| 0101 | Osnat Herzberg                                    | Seats (Total: 10) |
|      | <b>Meets October 15, 2017 - December 11, 2017</b> |                   |
|      | TuTh 2:00pm - 4:40pm                              | PLS 5112          |

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**BCHM671 Protein Chemistry and Enzymic Catalysis**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: BCHM461; or students who have taken courses with comparable content may contact the department.*

*Principles of protein structure, folding, and function, experimental characterization of structure, active sites, enzyme mechanisms and kinetics.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Nicole LaRonde        | Seats (Total: 35) |
|      | TuTh 9:30am - 10:50am | BSB 2118          |

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**BCHM698 Literature Seminar in Biochemistry**

Credits: 2                      Grading Method: Regular

*Students will prepare and present a departmental seminar based on a topic in the current biochemical research literature.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Paul Paukstelis                               | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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**BCHM699 Special Problems in Biochemistry**

Credits: 1-6                      Grading Method: Regular,  
Audit

*Laboratory experience in a research environment. Restricted to students in the non-thesis M.S. option.*

Open only to non-thesis M.S. degree candidates.

**Contact department for information to register for this course.**

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**BCHM799 Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**BCHM889A Seminar; Biochemistry**

Credits: 1      Grading Method: Regular,  
Audit

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Theodore Dayie       | Seats (Total: 40) |
|      | Tu 11:00am - 11:50am | CHM 0112          |

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**BCHM889C Seminar; Allostery in DNA Binding**

(Perm req)

Credits: 1      Grading Method: Regular,  
Audit

|      |   |                   |
|------|---|-------------------|
| 0101 | Instructor: TBA                               | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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**BCHM889D Seminar; Enzymology Recombination**

(Perm req)

Credits: 1      Grading Method: Regular,  
Audit

|      |   |                   |
|------|---|-------------------|
| 0101 | Instructor: TBA                               | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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**BCHM889F Seminar; Antimicrobial Peptides**

(Perm req)

Credits: 1      Grading Method: Regular,  
Audit

|      |   |                   |
|------|---|-------------------|
| 0101 | Instructor: TBA                               | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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**BCHM889J Seminar; Nucleic Acid Structures**

(Perm req)

Credits: 1      Grading Method: Regular,  
Audit

|   |                 |                   |
|---|-----------------|-------------------|
| 0101  | Instructor: TBA | Seats (Total: 10) |
| Contact instructor or department for details. |                 |                   |

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**BCHM889M Seminar; Modern Methods in NMR and Structural Biology**

Credits: 1-3      Grading Method: Regular,  
Audit

|   |                 |                   |
|---|-----------------|-------------------|
| 0101  | Instructor: TBA | Seats (Total: 40) |
| Contact instructor or department for details. |                 |                   |

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**BCHM889P Seminar; Structure and Reactivity of Biopolymers**

(Perm req)

Credits: 1      Grading Method: Regular,  
Audit

|   |                 |                   |
|---|-----------------|-------------------|
| 0101  | Instructor: TBA | Seats (Total: 10) |
| Contact instructor or department for details. |                 |                   |

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**BCHM898 Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

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**BCHM899 Doctoral Dissertation Research**

(Perm req)

Credits: 6      Grading Method: Regular

**Contact department for information to register for this course.**

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**BIOE Bioengineering Fall 2017**

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**BIOE120 Biology for Engineers**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have completed or be concurrently enrolled in MATH140. Restriction: Permission of ENGR-Fischell Department of Bioengineering department.*

*Introduction to the functions and interactions of biological systems from a quantitative perspective. Introduction to the modern experimental techniques and methods of data analysis. Roles for bioengineers in biology, and the role of biology in bioengineering will be elucidated.*

Students will be introduced to the functions and interactions of biological systems from a quantitative perspective. They will also be encouraged to solve problems through active inquiry, critical analysis, and creativity. Finally, roles for bioengineers in biology, and the role of biology in bioengineering will be elucidated.

|      |   |   |            |
|------|---|---|------------|
| 0101 | Angela Jones<br>TuTh 9:30am - 10:45am<br>W 5:00pm - 5:50pm    | Seats (Total: 30)<br>ESJ 0215<br>ESJ 0215 | Discussion |
| 0102 | Angela Jones<br>TuTh 9:30am - 10:45am<br>Th 5:00pm - 5:50pm   | Seats (Total: 30)<br>ESJ 0215<br>EGR 1104 | Discussion |
| 0201 | Angela Jones<br>MWF 12:00pm - 12:50pm<br>F 11:00am - 11:50am  | Seats (Total: 30)<br>ESJ 2212<br>ESJ 2212 | Discussion |
| 0202 | Angela Jones<br>MWF 12:00pm - 12:50pm<br>F 1:00pm - 1:50pm    | Seats (Total: 30)<br>ESJ 2212<br>ESJ 2212 | Discussion |
| 0301 | Melani Solomon<br>TuTh 9:30am - 10:45am<br>Tu 3:00pm - 3:50pm | Seats (Total: 30)<br>KEB 1200<br>PLS 1119 | Discussion |
| 0302 | Melani Solomon<br>TuTh 9:30am - 10:45am<br>Th 2:00pm - 2:50pm | Seats (Total: 30)<br>KEB 1200<br>JMP 1109 | Discussion |

## BIOE121

(Perm req)

## Biology for Engineers Laboratory

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of ENGR-Fischell Department of Bioengineering department.*

*Bioengineering encompasses numerous sub-disciplines that apply engineering principles to analyze biological systems and that utilize engineering design strategies to solve biological and biomedical problems. This course is aimed at providing students with the opportunity to learn how biology and engineering can synergistically contribute to our understanding of such problems, and to gain hands-on experience in basic techniques relevant to Bioengineering.*



|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Angela Jones       | Seats (Total: 24) |
|      | Tu 8:00am - 8:50am | CSI 2117          |
|      | W 8:00am - 10:00am | CHE 1145 Lab      |
| 0102 | Angela Jones       | Seats (Total: 24) |
|      | Tu 8:00am - 8:50am | CSI 2117          |
|      | W 3:00pm - 5:00pm  | CHE 1145 Lab      |
| 0103 | Angela Jones       | Seats (Total: 24) |
|      | Tu 8:00am - 8:50am | CSI 2117          |
|      | F 8:00am - 10:00am | CHE 1145 Lab      |

## **BIOE221 Academic and Career Planning**

(Perm req)

Credits: 1 Grading Method: Regular

*Prerequisite: BIOE120 and BIOE121. Restriction: Permission of ENGR-Fischell Department of Bioengineering department.*

*Provides practical tools to help Bioengineering majors think critically about their goals and career paths. Guides Bioengineering students through accessing useful resources both on- and off-campus.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Abby Shantzis      | Seats (Total: 60) |
|      | Tu 4:00pm - 4:50pm | ESJ 0215          |

## **BIOE232 Bioengineering Thermodynamics**

(Perm req)

Credits: 3 Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS261 and PHYS260. Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE232, ENES232, ENME232, or ENME320.*

*A quantitative introduction to thermodynamic analysis of bioengineering systems. Bioengineering encompasses a wide range of applications from nanoscale interactions (e.g. reactions between molecules), to cellular interactions (e.g. membrane electrical currents), to overall balances on organisms, all the way to large scale manufacturing. Each of these applications (and many others not mentioned) involve energy interactions which is the domain of thermodynamics. The basic laws of thermodynamics will be introduced and explained through a series of examples related to bioengineering systems.*

|      |                        |                     |
|------|------------------------|---------------------|
| 0101 | Gregory Payne          | Seats (Total: 30)   |
|      | TuTh 11:00am - 12:15pm | EGR 1108            |
|      | F 1:00pm - 1:50pm      | EGR 0135 Discussion |

|      |                        |                   |            |
|------|------------------------|-------------------|------------|
| 0102 | Gregory Payne          | Seats (Total: 30) |            |
|      | TuTh 11:00am - 12:15pm | EGR 1108          |            |
|      | F 2:00pm - 2:50pm      | EGR 0135          | Discussion |

## **BIOE241 Biocomputational Methods**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of ENGR-Fischell Department of Bioengineering department.*

*Application of computer technology to biological and natural resource systems considering engineering aspects. Designed to help students in the use of computer technology for problem solving. The course will cover 4-5 software packages important for later use by the student.*

|      |                     |                   |  |
|------|---------------------|-------------------|--|
| 0101 | Hubert Montas       | Seats (Total: 30) |  |
|      | MWF 4:00pm - 4:50pm | KEB 2107          |  |
| 0201 | Hubert Montas       | Seats (Total: 30) |  |
|      | MWF 5:00pm - 5:50pm | KEB 2107          |  |

## **BIOE331 Biofluids**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: MATH246, BIOE120, BIOE121, and BIOE241; and must have completed or be concurrently enrolled in BIOE232. Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE331, ENCE305, or ENME331.*

*Principles and applications of fluid mechanics with a focus on bioengineering topics. Content includes conservation of mass, momentum, and energy, as well as the application of these fundamental relations to hydrostatics, control volume analysis, internal and external flow, and boundary layers. Applications to biological and bioengineering problems such as tissue engineering, bioprocessing, imaging, and drug delivery.*

|      |                     |                   |            |
|------|---------------------|-------------------|------------|
| 0101 | Gregg Duncan        | Seats (Total: 30) |            |
|      | MW 12:30pm - 1:45pm | MCB 1207          |            |
|      | F 1:00pm - 2:50pm   | CHM 0119          | Discussion |
| 0102 | Gregg Duncan        | Seats (Total: 30) |            |
|      | MW 12:30pm - 1:45pm | MCB 1207          |            |
|      | F 3:00pm - 4:50pm   | CHM 0119          | Discussion |

## **BIOE340 Modeling Physiological Systems and Lab**

(Perm req)

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCI330, BIOE120, BIOE121, BIOE241, and MATH246. Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE340 or (BSCI440 and BSCI441).*

*Topics covered will include cell and general physiology, membrane physiology, blood cells and clotting, circulation, metabolism, respiration, and the nervous system. A lab component will also be included.*

|  |                      |                   |            |
|--|----------------------|-------------------|------------|
| 0101   | John Fisher          | Seats (Total: 30) |            |
|  | TuTh 3:30pm - 4:45pm | KEB 1200          |            |
|  | Th 5:00pm - 6:30pm   | KEB 2111          | Lab        |
|  | Tu 8:00am - 8:50am   | KEB 1200          | Discussion |
| <i>Lab will meet in either KEB2107 or KEB2111.</i> |                      |                   |            |
| 0102   | John Fisher          | Seats (Total: 30) |            |
|  | TuTh 3:30pm - 4:45pm | KEB 1200          |            |
|  | Th 5:00pm - 6:30pm   | KEB 2107          | Lab        |
|  | M 8:00am - 8:50am    | KEB 1200          | Discussion |

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### **BIOE371      Linear Systems and Ordinary Differential Equations for Bioengineering Applications**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have completed or be concurrently enrolled in MATH246. Restriction: Permission of ENGR-Fischell Department of Bioengineering department.*

*This class utilizes fundamentals in linear systems, including eigenvalues and eigenvectors, as well as linear differential equations, to study various problems in bioengineering and biological systems, with a particular emphasis on feedback, stability, controllability, and control design.*

|      |                     |                   |  |
|------|---------------------|-------------------|--|
| 0101 | Lan Ma              | Seats (Total: 50) |  |
|      | MWF 4:00pm - 4:50pm | ESJ 2309          |  |

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### **BIOE372      Biostatistics for Experimental Design and Data Analysis**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: BIOE120, BIOE121, and BIOE241. Recommended: MATH246. Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE372 or STAT464.*

*This course will instruct students in the fundamentals of probability and statistics through examples in biological phenomenon, the design of bioengineering experiments, and clinical data analysis. Fundamentals covered in the course include probability distributions, hypothesis testing, power analysis, regression analysis, and correlation analysis.*

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Giuliano Scarcelli   | Seats (Total: 35) |            |
|      | TuTh 8:00am - 9:15am | EGR 1108          |            |
|      | F 10:00am - 10:50am  | EGR 3106          | Discussion |
| 0102 | Giuliano Scarcelli   | Seats (Total: 35) |            |
|      | TuTh 8:00am - 9:15am | EGR 1108          |            |
|      | F 11:00am - 11:50am  | PHY 1219          | Discussion |

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**BIOE399 Independent Study in Bioengineering**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Independent study.*

Prerequisite: permission of department.

**Contact department for information to register for this course.**

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**BIOE399H Independent Study in Bioengineering**

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Independent study.*

**Contact department for information to register for this course.**

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**BIOE404 Biomechanics**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH246, BIOE120, ENES102, BIOE121, and BIOE241. Restriction: Permission of ENGR-Fischell Department of Bioengineering department.*

*Introduction to the fundamentals of biomechanics including force analysis, mechanics of deformable bodies, stress and strain, multiaxial deformations, stress analysis, and viscoelasticity. Biomechanics of soft and hard tissues.*

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0101 | Kimberly Stroka       | Seats (Total: 30) |            |
|      | TuTh 9:30am - 10:45am | CHE 2108          |            |
|      | M 10:00am - 10:50am   | CHM 0122          | Discussion |

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0103 | Kimberly Stroka       | Seats (Total: 30) |            |
|      | TuTh 9:30am - 10:45am | CHE 2108          |            |
|      | W 2:00pm - 2:50pm     | HBK 0123          | Discussion |

### **BIOE437 Computer-Aided Design in Bioengineering**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: BIOE120, BIOE121, BIOE241, and MATH246; or permission of ENGR-Fischell Department of Bioengineering department. Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE437, BIOE689V, ENME414, ENME272, or ENAE488D. Formerly: BIOE689V.*

*Introduction to Computer-Aided Design (CAD). Basic CAD operations will be demonstrated in class with Creo Parametric (formerly Pro/E). Lecture topics will summarize design methodology, review best-practices in hardware development, and discuss engineering applications. The course will culminate in a student-selected project leveraging CAD.*

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 0101 | Milton Davis       | Seats (Total: 40) |  |
|      | Tu 5:00pm - 7:45pm | KEB 2111          |  |

### **BIOE453 Biomaterials**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHEM231, MATH246, CHEM232, BIOE120, BIOE121, and BIOE241. Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Also offered as: ENMA425. Credit only granted for: ENBE453, BIOE453, or ENMA425. Formerly: ENBE453.*

*Examination of the structure and function of natural biomaterials, and cell-extracellular matrix interactions. Study physical properties of synthetic biomaterials for biomedical applications. Understanding molecular level interactions between biomolecules and biomaterials to design novel biomaterials with desirable characteristics. Application of biomaterials as implants, drug delivery systems, biosensors, engineered materials such as artificial skin and bone growth scaffolds will be covered.*

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0101 | Christopher Jewell    | Seats (Total: 36) |            |
|      | MWF 11:00am - 11:50am | KEB 1200          |            |
|      | F 12:00pm - 12:50pm   | EGR 3106          | Discussion |
| 0102 | Christopher Jewell    | Seats (Total: 30) |            |
|      | MWF 11:00am - 11:50am | KEB 1200          |            |
|      | F 10:00am - 10:50am   | EGR 2116          | Discussion |

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**BIOE457      Biomedical Electronics & Instrumentation**

(Perm req)

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BIOE120, BIOE121, BIOE241, PHYS261, MATH246, and PHYS260. Restriction: Permission of ENGR-Fischell Department of Bioengineering department.*

*Students learn fundamental concepts of electronics, assembly of electronic components into functional circuits, and integration of functional electronic devices and circuits into a system. In the lab component, students will learn to assemble and evaluate circuits and systems.*

|      |                        |                   |     |
|------|------------------------|-------------------|-----|
| 0101 | Yang Tao               | Seats (Total: 30) |     |
|      | TuTh 11:00am - 12:15pm | KEB 1200          |     |
|      | W 9:00am - 10:50am     | ANS 0505          | Lab |
| 0102 | Yang Tao               | Seats (Total: 30) |     |
|      | TuTh 11:00am - 12:15pm | KEB 1200          |     |
|      | Th 1:30pm - 3:20pm     | ANS 0505          | Lab |

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**BIOE485      Capstone Design I: Entrepreneurship, Regulatory Issues, and Ethics**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 21 credits in BIOE courses. Restriction: Permission of ENGR-Fischell Department of Bioengineering department; and senior standing; and must be in Engineering: Bioengineering program. Credit only granted for: BIOE485 or ENBE485. Formerly: ENBE485.*

*This is the first part of a two-semester senior capstone design course which covers principles involved in engineering design, design approaches, economics of design, ethics in engineering, and patent regulations. It also helps students learn team work and write design project proposals under the mentorship of a faculty advisor.*

*A Fearless Ideas Course from the Academy for Innovation & Entrepreneurship (AIE):  
<http://ter.ps/iamFEARLESS> Click here for more information on the Fearless Ideas Courses.*

|      |                    |                    |  |
|------|--------------------|--------------------|--|
| 0101 | Yang Tao           | Seats (Total: 117) |  |
|      | MW 2:00pm - 3:15pm | EGR 1202           |  |

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**BIOE489A      Special Topics in Bioengineering; Python: Introduction to Programming and Data Analysis**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Exploring a variety of topics with Bioengineering.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Eric Hoppmann     | Seats (Total: 30) |
|      | M 5:00pm - 7:45pm | KEB 2111          |

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**BIOE489C      Special Topics in Bioengineering; Mechanical Design of Medical Devices**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Exploring a variety of topics with Bioengineering.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Frank Modica      | Seats (Total: 40) |
|      | W 5:00pm - 8:00pm | KEB 2111          |

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**BIOE489H      Special Topics in Bioengineering; Bioengineering Honors Seminar**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Exploring a variety of topics with Bioengineering.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Kimberly Stroka   | Seats (Total: 40) |
|      | M 3:15pm - 4:15pm | KEB 1200          |

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**BIOE489K      Special Topics in Bioengineering; Image Signal Processing**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Exploring a variety of topics with Bioengineering.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Yu Chen               | Seats (Total: 30) |
|      | TuTh 12:30pm - 1:45pm | EGR 3106          |

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**BIOE489M      Special Topics in Bioengineering; Biophysics of the Cell**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Exploring a variety of topics with Bioengineering.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Jose Aranda-Espinoza  | Seats (Total: 30) |
|      | TuTh 9:30am - 10:45am | EGR 1104          |

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**BIOE489P      Special Topics in Bioengineering; Therapeutic Development and Delivery**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Exploring a variety of topics with Bioengineering.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Steven Jay            | Seats (Total: 32) |
|      | TuTh 12:30pm - 1:45pm | ESJ 1309          |

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**BIOE489R****Special Topics in Bioengineering; Protein Engineering**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Exploring a variety of topics with Bioengineering.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Amy Karlsson          | Seats (Total: 10) |
|      | TuTh 12:30pm - 1:45pm | EGR 1104          |

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**BIOE601****Biomolecular and Cellular Rate Processes**

Credits: 3

Grading Method: Regular,  
Audit

*Credit only granted for: BIOE601 or ENCH859B.*

*Presentation of techniques for characterizing and manipulating non-linear biochemical reaction networks. Advanced topics to include mathematical modeling of the dynamics of biological systems; separation techniques for heat sensitive biologically active materials; and rate processes in cellular and biomolecular systems. Methods are applied to current biotechnological systems, some include: recombinant bacteria; plant insect and mammalian cells; and transformed cell lines.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | William Bentley       | Seats (Total: 30) |
|      | TuTh 9:30am - 10:45am | JMP 1202          |

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**BIOE604****Cellular and Physiological Transport Phenomena**

Credits: 3

Grading Method: Regular

*A study of transport processes, including momentum, energy and mass transport, relevant to biosystems at various scales from physiological to cellular systems. Transport leads to sets of partial differential equations and the course revolves around approaches to solving these equations to arrive at fundamental understanding of the physics of transport in biosystems.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Keith Herold         | Seats (Total: 30) |
|      | TuTh 8:00am - 9:15am | EGR 2116          |



|  |                            |                   |
|--|----------------------------|-------------------|
| BI01   | Keith Herold               | Seats (Total: 30) |
|  | Class time/details on ELMs | ONLINE            |
| <i>This section is restricted to ENPM students only.</i> |                            |                   |

## BIOE605

### BIOE Graduate Studies I

(Perm req)

Credits: 1      Grading Method: Regular

*Restriction: Must be in ENGR: PhD Only-Bioengineering (Doctoral) program.*

*Introduction to the bioengineering graduate program. Students gain exposure to departmental research through lab rotation and to current research in the field through seminar. Students will also gain preparation and guidance on other first-year academic requirements.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Jose Aranda-Espinoza | Seats (Total: 30) |
|      | W 10:00am - 11:00am  | EGR 2154          |

## BIOE608

### Bioengineering Seminar Series

Credits: 1      Grading Method: Regular,  
Audit

*A variety of topics related to Bioengineering will be presented in weekly seminars.*

For BIOE majors only.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Steven Jay        | Seats (Total: 40) |
|      | F 9:00am - 9:50am | KEB 1105          |

## BIOE689

### Special Topics in Bioengineering

(Perm req)

Credits: 1-3      Grading Method: Regular

*Research Oriented Individual Instruction course.*

**Contact department for information to register for this course.**

## BIOE689C

### Special Topics in Bioengineering; Biophysics of the Cell

(Perm req)

Credits: 3      Grading Method: Regular

*Research Oriented Individual Instruction course.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Jose Aranda-Espinoza  | Seats (Total: 10) |
|      | TuTh 9:30am - 10:45am | EGR 1104          |

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**BIOE689E Special Topics in Bioengineering; Microscopic Function of Cells, Tissues, Organs**

(Perm req)

Credits: 3      Grading Method: Regular

*Research Oriented Individual Instruction course.*

For Master of Engineering students only or with permission of department

|      |                            |                   |
|------|----------------------------|-------------------|
| BI01 | Keith Herold               | Seats (Total: 20) |
|      | Class time/details on ELMs | ONLINE            |

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**BIOE689Y Special Topics in Bioengineering; Applications of Tissue Engineering**

(Perm req)

Credits: 3      Grading Method: Regular

*Research Oriented Individual Instruction course.*

Restriction: For Master of Engineering students only or with permission of department.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Martha Wang                | Seats (Total: 20) |
|      | Th 4:30pm - 7:15pm         | PHY 0405          |
| BI01 | Martha Wang                | Seats (Total: 20) |
|      | Class time/details on ELMs | ONLINE            |

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**BIOE689Z Special Topics in Bioengineering; Image Signal Processing**

(Perm req)

Credits: 3      Grading Method: Regular

*Research Oriented Individual Instruction course.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Yu Chen               | Seats (Total: 10) |
|      | TuTh 12:30pm - 1:45pm | EGR 3106          |

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**BIOE799 Master's Thesis Research**

(Perm req)

Credits: 1-6      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**BIOE898 Pre-Candidacy Research**

(Perm req)

Credits: 1-8      Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

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**BIOE899**      **Doctoral Dissertation Research**

(Perm req)

Credits: 6      Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

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**BIOL**      **Biology**      **Fall 2017**

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**BIOL608K**      **Biology Seminar; Biological Sciences Teaching and Learning in Higher Education**

(Perm req)

Credits: 2      Grading Method: Regular

Also offered as CBMG699K, CHEM608K, and ENTM699K. Credit will be granted for only one of the following: BIOL608K, CBMG699K, CHEM608K, or ENTM699K.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Gili Ad-Marbach    | Seats (Total: 12) |
|      | W 12:00pm - 1:40pm | BPS 1208          |

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**BIOL609**      **Special Problems in Biology**

Credits: 1-6      Grading Method: Regular

*One seminar per week for each subject selected: A-Cell Biology; B-Developmental Biology; C-Estuarine and Marine Biology; D-Genetics; E-Parasitology; F-Physiology; G-Systematics and Evolutionary Biology; I-Behavior; J-General; K-Endocrinology; L-Ecology.*

Contact department for information to register for this course.

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**BIOL620**      **Cell Biology**

Credits: 3      Grading Method: Regular, Audit

*Offered with laboratory as BSCI 421. Molecular basis of cell structure and function in eukaryotes.*

|      |                       |                  |
|------|-----------------------|------------------|
| 0101 | Julia Marre           | Seats (Total: 4) |
|      | TuTh 12:30pm - 1:45pm | HJP 2242         |

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**BIOL667**      **Mathematical Biology**

Credits: 4      Grading Method: Regular

*Credit only granted for: BIOL667 or ZOOL625. Formerly: ZOOL625.*

*Mathematical methods of analyzing deterministic and stochastic biological processes from a variety of areas (including population and evolutionary biology, neurobiology, physiology, and morphogenesis). Qualitative aspects of dynamical systems which are usually given as difference or differential equations. The computer program Mathematica will be used to obtain the numerical solutions of these equations.*

|      |                       |                  |     |
|------|-----------------------|------------------|-----|
| 0101 | Jonathan Simon        | Seats (Total: 5) |     |
|      | TuTh 9:30am - 10:45am | CCC 1111         |     |
|      | M 1:00pm - 3:50pm     | CCC 1111         | Lab |

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## **BIOL671      Molecular Evolution**

Credits: 3                      Grading Method: Regular

*Credit only granted for: BIOL671 or ZOOL645. Formerly: ZOOL645.*

*Basic foundations through advanced concepts in molecular evolution, including patterns and processes of DNA sequence variation, transposable element dynamics, gene duplication and loss, and genome organization. Relevant concepts from genetics, biochemistry, and phylogenetics also will be covered.*

|      |                       |                   |  |
|------|-----------------------|-------------------|--|
| 0101 | Michael Cummings      | Seats (Total: 15) |  |
|      | TuTh 12:30pm - 1:45pm | BPS 1238          |  |

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## **BIOL704      Cell Biology from a Biophysical Perspective**

Credits: 3                      Grading Method: Regular

*Recommended: BSCI330, PHYS121, and PHYS122. Also offered as: BSCI404. Credit only granted for: BSCI404, BIOL704, BIOL708O, or BIPH704. Formerly: BIOL708O.*

*An approach to cell biology by focusing on mechanisms and unifying paradigms. It will not assume a great deal of factual biological knowledge, but will expect a background that prepares students to think quantitatively and mechanistically.*

|      |                      |                  |  |
|------|----------------------|------------------|--|
| 0101 | Sergei Sukharev      | Seats (Total: 9) |  |
|      | TuTh 3:30pm - 4:45pm | PLS 1113         |  |

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## **BIOL708B      Advanced Topics in Biology; Animal Behavior**

Credits: 3                      Grading Method: Regular

*Lectures, experimental courses and other special instructions in various zoological subjects.*

|      |                      |                  |            |
|------|----------------------|------------------|------------|
| 0101 | Gerald Borgia        | Seats (Total: 1) |            |
|      | MW 11:00am - 11:50am | PLS 1130         |            |
|      | F 9:00am - 9:50am    | PLS 1162         | Discussion |

|      |                      |                  |            |
|------|----------------------|------------------|------------|
| 0102 | Gerald Borgia        | Seats (Total: 1) |            |
|      | MW 11:00am - 11:50am | PLS 1130         |            |
|      | F 10:00am - 10:50am  | PLS 1162         | Discussion |
| 0103 | Gerald Borgia        | Seats (Total: 1) |            |
|      | MW 11:00am - 11:50am | PLS 1130         |            |
|      | F 11:00am - 11:50am  | PLS 1162         | Discussion |

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**BIOL708E      Advanced Topics in Biology; Diseases of the Nervous System**

Credits: 3                      Grading Method: Regular

*Lectures, experimental courses and other special instructions in various zoological subjects.*

|      |                       |                  |  |
|------|-----------------------|------------------|--|
| 0101 | Quentin Gaudry        | Seats (Total: 8) |  |
|      | TuTh 12:30pm - 1:45pm | PLS 1130         |  |

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**BIOL708Q      Advanced Topics in Biology; Biology of Chemosensory Systems**

Credits: 3                      Grading Method: Regular

*Lectures, experimental courses and other special instructions in various zoological subjects.*

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 0101 | Ricardo Araneda    | Seats (Total: 10) |  |
|      | MW 2:00pm - 3:15pm | BPS 2249          |  |

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**BIOL709B      Selected Advanced Topics in Biology; R-Based Analyses & Programming for Community Ecology**

Credits: 3                      Grading Method: Regular,  
Audit

*Lectures, experimental courses and other special instructions in various biological subjects.*

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 0101 | Nathan Swenson     | Seats (Total: 15) |  |
|      | Th 1:00pm - 3:30pm | BPS 1208          |  |

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**BIOL799      Master's Thesis Research**

Credits: 1-6                      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**BIOL898      Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**BIOL899      Doctoral Dissertation Research**

(Perm req)

Credits: 6      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**BIOM      Biometrics      Fall 2017**

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**BIOM301      Introduction to Biometrics**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: FSAR

*Prerequisite: MATH113 or MATH115. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201.*

*Descriptive statistics, introduction to probability, sampling, confidence interval estimation, hypothesis testing, simple regression and correlation. Emphasis on simple applications of statistical techniques and interpretation of statistical results.*

|      |   |   |
|------|---|---|
| 0101 | Christine Hakenkamp<br>TuTh 2:00pm - 2:50pm<br>M 1:00pm - 1:50pm    | Seats (Total: 26)<br>EGR 1202<br>ANS 0473      Discussion |
| 0102 | Christine Hakenkamp<br>TuTh 2:00pm - 2:50pm<br>M 2:00pm - 2:50pm    | Seats (Total: 26)<br>EGR 1202<br>ANS 0473      Discussion |
| 0103 | Christine Hakenkamp<br>TuTh 2:00pm - 2:50pm<br>M 3:00pm - 3:50pm    | Seats (Total: 26)<br>EGR 1202<br>ANS 0473      Discussion |
| 0104 | Christine Hakenkamp<br>TuTh 2:00pm - 2:50pm<br>Tu 9:30am - 10:20am  | Seats (Total: 26)<br>EGR 1202<br>ANS 0473      Discussion |
| 0105 | Christine Hakenkamp<br>TuTh 2:00pm - 2:50pm<br>Tu 11:00am - 11:50am | Seats (Total: 26)<br>EGR 1202<br>ANS 0473      Discussion |

|      |  |   |            |
|------|--|---|------------|
| 0106 | Christine Hakenkamp<br>TuTh 2:00pm - 2:50pm<br>Tu 12:30pm - 1:20pm | Seats (Total: 25)<br>EGR 1202<br>ANS 0473 | Discussion |
| 0107 | Christine Hakenkamp<br>TuTh 2:00pm - 2:50pm<br>M 10:00am - 10:50am | Seats (Total: 25)<br>EGR 1202<br>ANS 0473 | Discussion |

## BIOM405

### Computer Applications in Biometrics

(Perm req)

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit

*An introduction to computer applications for data analysis. This is equivalent to the computer lab of 601 and is required for students that have taken BIOM 301 and BIOM402 and wish to go directly into BIOM602.*

|      |  |                  |
|------|--|------------------|
| 0101 | Li Ma<br>Contact instructor or department for details. | Seats (Total: 5) |
|------|--|------------------|

## BIOM601

### Biostatistics I

Credits: 4

Grading Method: Regular,  
Audit

*Prerequisite: BIOM301 or STAT464; or students who have taken courses with comparable content may contact the department. Credit only granted for: BIOM401 or BIOM601.*

*Estimation and hypothesis testing, t tests, one and two way analysis of variance, regression, analysis of frequency data. Lecture will emphasize uses and limitations of these methods in biology, while the laboratory will emphasize the use of statistical analysis software for the analysis of biological data.*

|      |  |   |     |
|------|--|---|-----|
| 0101 | Li Ma<br>TuTh 12:30pm - 1:45pm<br>Tu 2:00pm - 4:00pm | Seats (Total: 27)<br>ANS 0408<br>ANS 0473 | Lab |
| 0102 | Li Ma<br>TuTh 12:30pm - 1:45pm<br>W 9:00am - 11:00am | Seats (Total: 27)<br>ANS 0408<br>ANS 0473 | Lab |
| 0104 | Li Ma<br>TuTh 12:30pm - 1:45pm<br>Th 2:00pm - 4:00pm | Seats (Total: 27)<br>ANS 0408<br>ANS 0473 | Lab |

## Biostatistics III

*Applications and implementation of linear model analysis to biological data, including multivariate regression model, mixed model, generalized linear mixed model, nonlinear logistic and Poisson regression models, power calculation and survival analysis.*

|      |                        |                   |     |
|------|------------------------|-------------------|-----|
| 0101 | Jiuzhou Song           | Seats (Total: 20) |     |
|      | TuTh 11:00am - 12:15pm | ANS 0402          |     |
|      | Th 9:00am - 10:50am    | ANS 0473          | Lab |

## Applied Multivariate Statistics

*Brief review of matrix algebra, means, covariance matrices, multivariate normal, multivariate confidence ellipses, MANOVA, Discriminant Methods, Principal Component Analysis, Factor Analysis, Multidimensional Scaling, Cluster Analyses, and other topics, depending on student interest.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Bahram Momen         | Seats (Total: 20) |
|      | TuTh 3:30pm - 4:45pm | HJP 1213          |

## Topics in Biometrics; Consulting Experience in Biometrics

**Contact department for information to register for this course.**

## Special Problems in Biometrics

**Contact department for information to register for this course.**



**BIPH698L**

## Biophysics Seminar; Biophysics

Credits: 1      Grading Method: Regular,  
Audit

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Arpita Upadhyaya  | Seats (Total: 10) |
|      | M 4:00pm - 5:30pm | CHM 0112          |

**BIPH699**

## Research in Biophysics

Credits: 2      Grading Method: Regular

*Supervised research in biophysics laboratories. Rotations through several laboratories prior to a choice of laboratory for a research assistantship.*

**Contact department for information to register for this course.**

**BIPH704**

# Cell Biology from a Biophysical Perspective

Credits: 3      Grading Method: Regular

*Recommended: BSCI330, PHYS121, and PHYS122. Also offered as: BSCI404, BIOL704. Credit only granted for: BSCI404, BIOL704, BIOL7080, or BIPH704.*

*An approach to cell biology by focusing on mechanisms and unifying paradigms. It will not assume a great deal of factual biological knowledge, but will expect a background that prepares students to think quantitatively and mechanistically.*

|      |                      |                  |
|------|----------------------|------------------|
| 0101 | Sergei Sukharev      | Seats (Total: 9) |
|      | TuTh 3:30pm - 4:45pm | PLS 1113         |

**BIPH898**

## Pre-Candidacy Research

(Perm req)

Credits: 1-8      Grading Method: Regular, Satisfail

**Contact department for information to register for this course.**

**BIPH899**

## Doctoral Dissertation Research

(Perm req)

Credits: 6      Grading Method: Regular, Satisfactory, Fail

**Contact department for information to register for this course.**

Credits: 1      Grading Method: Regular, Audit

*Presentation and discussion of fundamental problems and special subjects in the topics of Biological Sciences.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Lisa Taneyhill     | Seats (Total: 30) |
|      | Th 2:00pm - 4:00pm | ANS 0467          |

**BISI701      Science Teaching & Professional Development in Biology**

Credits: 1      Grading Method: Sat-Fail

*Also offered as: ENTM701. Credit only granted for: ENTM701, BISI688Z, CBMG688Z, or BIOL701.*

*Formerly: BISI688Z, CBMG688Z, BIOL701. Additional information: Priority in enrollment will be given to students in the BISI Graduate Program.*

*Provides graduate students in the biological sciences with the foundational knowledge to become better teaching assistants and gives them an introduction into the skills and tools that they need to develop as professional scientists and educators.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Michelle Brooks    | Seats (Total: 25) |
|      | Tu 6:00pm - 6:50pm | BPS 1208          |

**BISI799**                      **Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

| Credits: 1-6 | Grading Method: Regular   |
|--------------|---|
| 0201         | Caren Chang<br>Seats (Total: 5)<br>Contact instructor or department for details.          |
| 0245         | Hector Corrada Bravo<br>Seats (Total: 5)<br>Contact instructor or department for details. |
| 0901         | Steven Hutcheson<br>Seats (Total: 5)<br>Contact instructor or department for details.     |
| 2080         | Todd Cooke<br>Seats (Total: 1)<br>Contact instructor or department for details.           |
| 2440         | Sougata Roy<br>Seats (Total: 5)<br>Contact instructor or department for details.          |
| 3100         | William Lamp<br>Seats (Total: 10)<br>Contact instructor or department for details.        |

|   |                 |                  |
|---|-----------------|------------------|
| 7801  | Jonathan Dinman | Seats (Total: 5) |
| Contact instructor or department for details. |                 |                  |

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**BISI898 Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**BISI899 Doctoral Dissertation Research**

(Perm req)      Credits: 6      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**BMGT Business and Management** **Fall 2017**

**BMGT110 Introduction to the Business Value Chain**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: IE

*Students are provided with an introduction to the business value chain with an emphasis on inter-organizational and intra-organizational coordination of core business processes. Emphasis is on cross-functional integration and the efficient and effective management of core processes with an emphasis on marketing, operations and supply chain management.*

|   |                       |                    |
|---|-----------------------|--------------------|
| 0101  | Jeff Miller           | Seats (Total: 250) |
|   | TuTh 12:30pm - 1:45pm | VMH 1524           |
| FC01  | Jeff Miller           | Seats (Total: 80)  |
|   | TuTh 4:30pm - 5:45pm  | TYD 0117           |
| <i>Restricted to students in Freshmen Connection.</i> |                       |                    |

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**BMGT110F Introduction to the Business Value Chain**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: IE

Restricted to Smith School's Smith Start (FPFF) students.

|      |                     |                   |
|------|---------------------|-------------------|
| FP01 | Ryan Cooper         | Seats (Total: 33) |
|      | MW 9:30am - 10:45am | VMH 1311          |

|      |  |   |
|------|--|---|
| FP02 | Ryan Cooper<br>MW 11:00am - 12:15pm                              | Seats (Total: 33)<br>VMH 1311           |
| FP03 | Leland Gardner<br>MW 2:00pm - 3:15pm                             | Seats (Total: 33)<br>VMH 1415           |
| FP04 | Hugh Turner<br>M 8:00am - 9:15am<br>Class time/details on ELMs   | Seats (Total: 33)<br>VMH 1336<br>ONLINE |
| FP05 | Hugh Turner<br>Tu 8:00am - 9:15am<br>Class time/details on ELMs  | Seats (Total: 33)<br>VMH 1336<br>ONLINE |
| FP06 | Richard Hutchins<br>TuTh 9:30am - 10:45am                        | Seats (Total: 33)<br>VMH 1311           |
| FP07 | Richard Hutchins<br>TuTh 11:00am - 12:15pm                       | Seats (Total: 33)<br>VMH 1311           |
| FP08 | Kenneth Grimm<br>MW 12:30pm - 1:45pm                             | Seats (Total: 33)<br>ESJ 1309           |
| FP09 | Hugh Turner<br>W 8:00am - 9:15am<br>Class time/details on ELMs   | Seats (Total: 33)<br>VMH 1336<br>ONLINE |
| FP10 | Hugh Turner<br>Th 8:00am - 9:15am<br>Class time/details on ELMs  | Seats (Total: 33)<br>VMH 1336<br>ONLINE |
| FP11 | Hugh Turner<br>F 9:30am - 10:45am<br>Class time/details on ELMs  | Seats (Total: 33)<br>VMH 1415<br>ONLINE |
| FP12 | Hugh Turner<br>F 11:00am - 12:15pm<br>Class time/details on ELMs | Seats (Total: 33)<br>VMH 1415<br>ONLINE |

*Restriction: Must be in the Quest program. Also offered as: ENES190. Credit only granted for: BMGT190 or ENES190.*

*Exposes engineering and business students to the principles of total quality, using experiential team-learning and technology-aided approaches. The first of four courses in total quality.*

Restricted to Quest Program students.

*A Fearless Ideas Course from the Academy for Innovation & Entrepreneurship (AIE):  
<http://ter.ps/iamFEARLESS> Click here for more information on the Fearless Ideas Courses.*

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0101 | Pamela Armstrong      | Seats (Total: 45) |            |
|      | TuTh 12:30pm - 1:45pm | ESJ 2212          |            |
|      | W 7:00pm - 8:50pm     | VMH 1412          | Discussion |

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## **BMGT210**

### **Foundations of Accounting for Non Business Majors**

Credits: 3                      Grading Method: Regular

*Restriction: Must not have completed BMGT221; and must not be in a major in the R.H. Smith School of Business. Credit only granted for: (BMGT220 and BMGT221) or BMGT210. Additional information: Does not apply to a Smith School degree. Students pursuing a Smith School minor who have completed both BMGT220 and BMGT221 may substitute these courses for BMGT210. Credit will not be given for both BMGT210 and the combination of BMGT220 and BMGT221.*

*Provides an understanding of the common statements that report a company's profitability and financial health, and are useful to all economic agents who are engaged with the firm. Students will also recognize and understand managerial accounting as a system for accumulating and modeling information to support decision-making.*

Restricted to General Business Minors

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 0101 | Eugene Cantor      | Seats (Total: 60) |  |
|      | MW 2:00pm - 3:15pm | SQH 1119          |  |
| 0201 | Eugene Cantor      | Seats (Total: 60) |  |
|      | MW 3:30pm - 4:45pm | SQH 1119          |  |

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## **BMGT220**

### **Principles of Accounting I**

Credits: 3                      Grading Method: Regular

*Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership forms of business organizations operating as service companies or merchandisers.*

Open to all students with 24 credit hours completed.

|      |   |   |            |
|------|---|---|------------|
| 0201 | Progyan Basu<br>MW 9:30am - 10:45am<br>F 9:00am - 9:50am    | Seats (Total: 43)<br>VMH 1212<br>VMH 1206 | Discussion |
| 0202 | Progyan Basu<br>MW 9:30am - 10:45am<br>F 10:00am - 10:50am  | Seats (Total: 43)<br>VMH 1212<br>VMH 1206 | Discussion |
| 0203 | Progyan Basu<br>MW 9:30am - 10:45am<br>F 11:00am - 11:50am  | Seats (Total: 43)<br>VMH 1212<br>VMH 1206 | Discussion |
| 0204 | Progyan Basu<br>MW 9:30am - 10:45am<br>F 12:00pm - 12:50pm  | Seats (Total: 43)<br>VMH 1212<br>VMH 1206 | Discussion |
| 0301 | Progyan Basu<br>MW 11:00am - 12:15pm<br>F 9:00am - 9:50am   | Seats (Total: 43)<br>VMH 1212<br>VMH 1303 | Discussion |
| 0302 | Progyan Basu<br>MW 11:00am - 12:15pm<br>F 10:00am - 10:50am | Seats (Total: 43)<br>VMH 1212<br>VMH 1303 | Discussion |
| 0303 | Progyan Basu<br>MW 11:00am - 12:15pm<br>F 11:00am - 11:50am | Seats (Total: 43)<br>VMH 1212<br>VMH 1303 | Discussion |
| 0304 | Progyan Basu<br>MW 11:00am - 12:15pm<br>F 12:00pm - 12:50pm | Seats (Total: 43)<br>VMH 1212<br>VMH 1303 | Discussion |
| 0306 | Progyan Basu<br>MW 11:00am - 12:15pm<br>F 11:00am - 11:50am | Seats (Total: 43)<br>VMH 1212<br>VMH 1202 | Discussion |
| 0401 | Progyan Basu<br>MW 12:30pm - 1:45pm<br>F 9:00am - 9:50am    | Seats (Total: 43)<br>VMH 1212<br>VMH 1307 | Discussion |

|      |                     |                   |            |
|------|---------------------|-------------------|------------|
| 0402 | Progyan Basu        | Seats (Total: 43) |            |
|      | MW 12:30pm - 1:45pm | VMH 1212          |            |
|      | F 10:00am - 10:50am | VMH 1307          | Discussion |
| 0403 | Progyan Basu        | Seats (Total: 43) |            |
|      | MW 12:30pm - 1:45pm | VMH 1212          |            |
|      | F 11:00am - 11:50am | VMH 1307          | Discussion |
| 0404 | Progyan Basu        | Seats (Total: 43) |            |
|      | MW 12:30pm - 1:45pm | VMH 1212          |            |
|      | F 12:00pm - 12:50pm | VMH 1307          | Discussion |
| 0405 | Progyan Basu        | Seats (Total: 43) |            |
|      | MW 12:30pm - 1:45pm | VMH 1212          |            |
|      | F 12:00pm - 12:50pm | VMH 1202          | Discussion |

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#### **BMGT220H Principles of Accounting I**

Credits: 3                      Grading Method: Regular

*Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership forms of business organizations operating as service companies or merchandisers.*

Restricted to Honors students with 24 credit hours completed.

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 0101 | Thomas Kelley      | Seats (Total: 35) |  |
|      | MW 2:00pm - 3:15pm | VMH 1307          |  |

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#### **BMGT221 Principles of Accounting II**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT220.*

*Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting.*

Restricted to students with 24 credit hours completed.

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0101 | Gary Bulmash          | Seats (Total: 38) |            |
|      | TuTh 12:30pm - 1:45pm | VMH 1212          |            |
|      | F 9:00am - 9:50am     | VMH 1335          | Discussion |

|      |  |   |            |
|------|--|---|------------|
| 0102 | Gary Bulmash<br>TuTh 12:30pm - 1:45pm<br>F 10:00am - 10:50am | Seats (Total: 38)<br>VMH 1212<br>VMH 1335 | Discussion |
| 0103 | Gary Bulmash<br>TuTh 12:30pm - 1:45pm<br>F 11:00am - 11:50am | Seats (Total: 38)<br>VMH 1212<br>VMH 1335 | Discussion |
| 0104 | Gary Bulmash<br>TuTh 12:30pm - 1:45pm<br>F 12:00pm - 12:50pm | Seats (Total: 38)<br>VMH 1212<br>VMH 1335 | Discussion |
| 0105 | Gary Bulmash<br>TuTh 12:30pm - 1:45pm<br>F 1:00pm - 1:50pm   | Seats (Total: 38)<br>VMH 1212<br>VMH 1335 | Discussion |
| 0201 | Gary Bulmash<br>TuTh 2:00pm - 3:15pm<br>F 9:00am - 9:50am    | Seats (Total: 38)<br>VMH 1212<br>VMH 1336 | Discussion |
| 0202 | Gary Bulmash<br>TuTh 2:00pm - 3:15pm<br>F 10:00am - 10:50am  | Seats (Total: 38)<br>VMH 1212<br>VMH 1336 | Discussion |
| 0203 | Gary Bulmash<br>TuTh 2:00pm - 3:15pm<br>F 11:00am - 11:50am  | Seats (Total: 38)<br>VMH 1212<br>VMH 1336 | Discussion |
| 0204 | Gary Bulmash<br>TuTh 2:00pm - 3:15pm<br>F 12:00pm - 12:50pm  | Seats (Total: 38)<br>VMH 1212<br>VMH 1336 | Discussion |
| 0205 | Gary Bulmash<br>TuTh 2:00pm - 3:15pm<br>F 1:00pm - 1:50pm    | Seats (Total: 38)<br>VMH 1212<br>VMH 1336 | Discussion |

**BMGT221H**
**Principles of Accounting II**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BMGT220.*



*Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting.*

Course restricted to University Honors Students with 24 credit hours completed.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Gary Bulmash         | Seats (Total: 35) |
|      | TuTh 3:30pm - 4:45pm | VMH 1518          |

## BMGT230

### Business Statistics

Credits: 3

Grading Method: Regular

General Education: FSAR

*Prerequisite: MATH113 or MATH115; or must have math eligibility of MATH120 or higher. Restriction: Must not have completed ENCE302, ENME392, STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, INST314, JOUR405, PSYC200 or SOCY201. (These courses do not necessarily meet the same major requirements-check with your advisor to see which of these courses will count for your major).*

*Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management.*

|      |                      |                     |
|------|----------------------|---------------------|
| 0101 | Erich Studer-Ellis   | Seats (Total: 30)   |
|      | MW 11:00am - 12:15pm | VMH 1524            |
|      | F 8:00am - 8:50am    | VMH 1314 Discussion |
| 0102 | Erich Studer-Ellis   | Seats (Total: 15)   |
|      | MW 11:00am - 12:15pm | VMH 1524            |
|      | F 9:00am - 9:50am    | VMH 1314 Discussion |
| 0103 | Erich Studer-Ellis   | Seats (Total: 30)   |
|      | MW 11:00am - 12:15pm | VMH 1524            |
|      | F 10:00am - 10:50am  | VMH 1314 Discussion |
| 0104 | Erich Studer-Ellis   | Seats (Total: 15)   |
|      | MW 11:00am - 12:15pm | VMH 1524            |
|      | F 11:00am - 11:50am  | VMH 1314 Discussion |

|      |   |   |            |
|------|---|---|------------|
| 0105 | Erich Studer-Ellis<br>MW 11:00am - 12:15pm<br>F 12:00pm - 12:50pm | Seats (Total: 15)<br>VMH 1524<br>VMH 1314 | Discussion |
| 0106 | Erich Studer-Ellis<br>MW 11:00am - 12:15pm<br>F 1:00pm - 1:50pm   | Seats (Total: 30)<br>VMH 1524<br>VMH 1314 | Discussion |
| 0107 | Erich Studer-Ellis<br>MW 11:00am - 12:15pm<br>F 2:00pm - 2:50pm   | Seats (Total: 30)<br>VMH 1524<br>VMH 1314 | Discussion |
| 0201 | Erich Studer-Ellis<br>MW 12:30pm - 1:45pm<br>F 8:00am - 8:50am    | Seats (Total: 30)<br>VMH 1524<br>VMH 1411 | Discussion |
| 0202 | Erich Studer-Ellis<br>MW 12:30pm - 1:45pm<br>F 9:00am - 9:50am    | Seats (Total: 30)<br>VMH 1524<br>VMH 1411 | Discussion |
| 0203 | Erich Studer-Ellis<br>MW 12:30pm - 1:45pm<br>F 10:00am - 10:50am  | Seats (Total: 30)<br>VMH 1524<br>VMH 1411 | Discussion |
| 0204 | Erich Studer-Ellis<br>MW 12:30pm - 1:45pm<br>F 11:00am - 11:50am  | Seats (Total: 30)<br>VMH 1524<br>VMH 1411 | Discussion |
| 0205 | Erich Studer-Ellis<br>MW 12:30pm - 1:45pm<br>F 12:00pm - 12:50pm  | Seats (Total: 15)<br>VMH 1524<br>VMH 1411 | Discussion |
| 0206 | Erich Studer-Ellis<br>MW 12:30pm - 1:45pm<br>F 1:00pm - 1:50pm    | Seats (Total: 15)<br>VMH 1524<br>VMH 1411 | Discussion |
| 0207 | Erich Studer-Ellis<br>MW 12:30pm - 1:45pm<br>F 2:00pm - 2:50pm    | Seats (Total: 15)<br>VMH 1524<br>VMH 1411 | Discussion |

|      |   |   |            |
|------|---|---|------------|
| 0301 | Erich Studer-Ellis<br>MW 2:00pm - 3:15pm<br>F 8:00am - 8:50am   | Seats (Total: 30)<br>VMH 1524<br>VMH 1418 | Discussion |
| 0302 | Erich Studer-Ellis<br>MW 2:00pm - 3:15pm<br>F 9:00am - 9:50am   | Seats (Total: 23)<br>VMH 1524<br>VMH 1418 | Discussion |
| 0303 | Erich Studer-Ellis<br>MW 2:00pm - 3:15pm<br>F 10:00am - 10:50am | Seats (Total: 21)<br>VMH 1524<br>VMH 1418 | Discussion |
| 0304 | Erich Studer-Ellis<br>MW 2:00pm - 3:15pm<br>F 11:00am - 11:50am | Seats (Total: 15)<br>VMH 1524<br>VMH 1418 | Discussion |
| 0305 | Erich Studer-Ellis<br>MW 2:00pm - 3:15pm<br>F 12:00pm - 12:50pm | Seats (Total: 23)<br>VMH 1524<br>VMH 1418 | Discussion |
| 0306 | Erich Studer-Ellis<br>MW 2:00pm - 3:15pm<br>F 1:00pm - 1:50pm   | Seats (Total: 26)<br>VMH 1524<br>VMH 1418 | Discussion |
| 0307 | Erich Studer-Ellis<br>MW 2:00pm - 3:15pm<br>F 2:00pm - 2:50pm   | Seats (Total: 30)<br>VMH 1524<br>VMH 1418 | Discussion |
| 0401 | Liyi Gu<br>TuTh 2:00pm - 3:15pm                                 | Seats (Total: 30)<br>TYD 1114             |            |

## BMGT230B

### Business Statistics

Credits: 3

Grading Method: Regular

General Education: FSAR

*Prerequisite: MATH113 or MATH115; or must have math eligibility of MATH120 or higher. Restriction: Must not have completed ENCE302, ENME392, STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, INST314, JOUR405, PSYC200 or SOCY201. (These courses do not necessarily meet the same major requirements-check with your advisor to see which of these courses will count for your major).*

*Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management.*

Restricted to BMGT majors.

|      |   |   |            |
|------|---|---|------------|
| 0102 | Erich Studer-Ellis<br>MW 11:00am - 12:15pm<br>F 9:00am - 9:50am   | Seats (Total: 15)<br>VMH 1524<br>VMH 1314 | Discussion |
| 0104 | Erich Studer-Ellis<br>MW 11:00am - 12:15pm<br>F 11:00am - 11:50am | Seats (Total: 15)<br>VMH 1524<br>VMH 1314 | Discussion |
| 0105 | Erich Studer-Ellis<br>MW 11:00am - 12:15pm<br>F 12:00pm - 12:50pm | Seats (Total: 15)<br>VMH 1524<br>VMH 1314 | Discussion |
| 0205 | Erich Studer-Ellis<br>MW 12:30pm - 1:45pm<br>F 12:00pm - 12:50pm  | Seats (Total: 15)<br>VMH 1524<br>VMH 1411 | Discussion |
| 0206 | Erich Studer-Ellis<br>MW 12:30pm - 1:45pm<br>F 1:00pm - 1:50pm    | Seats (Total: 15)<br>VMH 1524<br>VMH 1411 | Discussion |
| 0207 | Erich Studer-Ellis<br>MW 12:30pm - 1:45pm<br>F 2:00pm - 2:50pm    | Seats (Total: 15)<br>VMH 1524<br>VMH 1411 | Discussion |
| 0302 | Erich Studer-Ellis<br>MW 2:00pm - 3:15pm<br>F 9:00am - 9:50am     | Seats (Total: 7)<br>VMH 1524<br>VMH 1418  | Discussion |
| 0303 | Erich Studer-Ellis<br>MW 2:00pm - 3:15pm<br>F 10:00am - 10:50am   | Seats (Total: 9)<br>VMH 1524<br>VMH 1418  | Discussion |
| 0304 | Erich Studer-Ellis<br>MW 2:00pm - 3:15pm<br>F 11:00am - 11:50am   | Seats (Total: 15)<br>VMH 1524<br>VMH 1418 | Discussion |

|      |                     |                  |            |
|------|---------------------|------------------|------------|
| 0305 | Erich Studer-Ellis  | Seats (Total: 7) |            |
|      | MW 2:00pm - 3:15pm  | VMH 1524         |            |
|      | F 12:00pm - 12:50pm | VMH 1418         | Discussion |
| 0306 | Erich Studer-Ellis  | Seats (Total: 4) |            |
|      | MW 2:00pm - 3:15pm  | VMH 1524         |            |
|      | F 1:00pm - 1:50pm   | VMH 1418         | Discussion |

## BMGT230H

### Business Statistics

Credits: 3

Grading Method: Regular

General Education: FSAR

*Prerequisite: MATH113 or MATH115; or must have math eligibility of MATH120 or higher. Restriction: Must not have completed ENCE302, ENME392, STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, INST314, JOUR405, PSYC200 or SOCY201. (These courses do not necessarily meet the same major requirements-check with your advisor to see which of these courses will count for your major).*

*Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management.*

Restricted to Honors students.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Radu Lazar            | Seats (Total: 35) |
|      | TuTh 9:30am - 10:45am | VMH 1336          |

## BMGT289A

### Social Enterprise: Changing the World through Innovation and Transformative Action

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: SB

General Education: DSSP,  
SCIS

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Le-Marie Thompson | Seats (Total: 60) |
|      | W 5:00pm - 7:40pm | TYD 1101          |

## BMGT289B

### How Do Innovators Think?

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP,  
SCIS

Credit will be granted for only one of the following: BMBT289B or HONR289P. Course will meet on occasional Monday evenings from 6:30-9:15pm for assessments and guest speaker presentations. Specific dates will be available by the start of the semester.

|      |  |  |
|------|--|--|
| 0101 | Mark Wellman<br>F 9:30am - 11:20am<br>M 6:30pm - 9:15pm  | Seats (Total: 50)<br>CCC 1100<br>Location: TBA |
| 0201 | Mark Wellman<br>Th 4:00pm - 5:50pm<br>M 6:30pm - 9:15pm<br><br><i>This section is restricted to College Park Scholars in Business, Society and the Economy students.</i> | Seats (Total: 70)<br>ESJ 0215<br>Location: TBA |
| 0301 | Mark Wellman<br>F 11:30am - 1:20pm<br>M 6:30pm - 9:15pm  | Seats (Total: 60)<br>CCC 1100<br>Location: TBA |

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**BMGT289D      Frauds, Scams, and Thefts: What, How and Why?**

|            |                                   |                                  |
|------------|-----------------------------------|----------------------------------|
| Credits: 3 | Grading Method: Regular           | General Education: DSSP,<br>SCIS |
| 0101       | David Weber<br>MW 3:30pm - 4:45pm | Seats (Total: 60)<br>ESJ 1202    |
| 0201       | David Weber<br>MW 5:00pm - 6:15pm | Seats (Total: 60)<br>ESJ 2309    |

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**BMGT289E      Entrepreneurial Thinking for Non-Business Majors: How Not to Miss Great Opportunities Your Life Throws at You**

|            |  |                               |                                  |
|------------|--|-------------------------------|----------------------------------|
| Credits: 3 | Grading Method: Regular                | CORE: IE                      | General Education: DSSP,<br>SCIS |
| 0101       | Jonathan Aberman<br>MW 2:00pm - 3:15pm | Seats (Total: 60)<br>MCB 1207 |                                  |

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**BMGT289I      Why Good Managers Make Bad Decisions**

|            |  |          |                                  |
|------------|--|----------|----------------------------------|
| Credits: 3 | Grading Method: Regular,<br>Pass-Fail, Audit | CORE: MS | General Education: DSSP,<br>SCIS |
|------------|--|----------|----------------------------------|

Why do smart managers make flawed decisions? Why do managers keep believing they have made the right choice, even with disastrous results staring them in the face? Why Good Managers Make Bad Decisions will address how evidence-based management and other decisionmaking tools can be used to uncover hidden assumptions in the corner offices of great corporations.

|   |                      |                    |
|---|----------------------|--------------------|
| 0101  | Jeff Miller          | Seats (Total: 240) |
|   | MW 3:30pm - 4:45pm   | VMH 1524           |
| FC01  | Jeff Miller          | Seats (Total: 40)  |
|   | TuTh 3:00pm - 4:15pm | SQH 1121           |
| <i>Restricted to students in Freshman Connection.</i> |                      |                    |

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**BMGT298B      Special Topics in Business and Management; Introduction to Product Design**

Credits: 1                      Grading Method: Regular,  
Pass-Fail

*Introductory special topics in business and management.*

|      |                                  |                   |
|------|----------------------------------|-------------------|
| 0101 | Jordan Steiner, Pamela Armstrong | Seats (Total: 20) |
|      | Th 4:00pm - 5:15pm               | ESJ 2101          |

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**BMGT298F      Special Topics in Business and Management; Global Mindset Colloquium**

(Perm req)

Credits: 1                      Grading Method: Regular

*Introductory special topics in business and management.*

Restricted to students in the Global Mindset program.

|      |                                      |                   |
|------|--------------------------------------|-------------------|
| 0101 | Christopher Olson, Kristin LaRiviere | Seats (Total: 30) |
|      | F 10:00am - 10:50am                  | VMH 2505          |
| 0201 | Kristin LaRiviere, Christopher Olson | Seats (Total: 30) |
|      | F 11:00am - 11:50am                  | VMH 2505          |

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**BMGT298R      Special Topics in Business and Management; Quantitative Methods for Business**

Credits: 3                      Grading Method: Regular

*Introductory special topics in business and management.*

**Contact department for information to register for this course.**

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**BMGT300      Information Systems for Non Business Majors**

Credits: 2                      Grading Method: Regular

*Restriction: Must be admitted to the Minor in General Business or the Minor in Innovation and Entrepreneurship; and must not have completed BMGT301; and must not be in a major in the R.H. Smith School of Business. Credit only granted for: BMGT300 or BMGT301. Additional information: Course does not apply to a Smith School degree. Course may be substituted by BMGT301 for General Business or Innovation and Entrepreneurship minor students only.*

*Introduces students to the transformative potential of emerging and existing information technologies and their impacts on the structure and competitive dynamics of various industries.*

Restricted to General Business Minors.

|      |   |                   |
|------|---|-------------------|
| BL01 | Sunil Mithas  | Seats (Total: 80) |
|      | <b>Meets August 28, 2017 - October 18, 2017</b>   |                   |
|      | Th 7:00pm - 9:40pm  | VMH 1212          |
|      | Class time/details on ELMs  | ONLINE            |
|      | <i>Smith Minor courses in subterm 1 will have their exam period on Monday, Oct. 17, and Tuesday, Oct. 18.</i> |                   |

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## BMGT301

### Introduction to Information Systems

Credits: 3                      Grading Method: Regular

*Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Additional information: CMSC majors will not receive credit for this course towards their upper level concentration in their CMSC major. All BMGT majors, including students who are a double major in CMCS, must complete BMGT301 for their BMGT degree.*

*Comprehensive overview of information systems (IS), which explores the strategic and tactical nature of IS. The basic concepts in analyzing and designing information systems for business applications will be presented. Aspects of data management such as databases, data warehousing, data analysis, and data mining will be analyzed, and the basics of web page and web site design will be outlined. Students will also be introduced to modern information systems infrastructure such as telecommunications, networks, and information systems security. Knowledge of Excel or a similar spreadsheet tool.*

Restricted to BMGT majors with 53 credits completed.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Zeinab Karake       | Seats (Total: 60) |
|      | MW 9:30am - 10:45am | VMH 1524          |
| 0201 | Sunil Mithas        | Seats (Total: 60) |
|      | MW 3:30pm - 4:45pm  | VMH 1303          |



|      |   |                               |
|------|---|-------------------------------|
| 0301 | Zeinab Karake<br>TuTh 11:00am - 12:15pm | Seats (Total: 60)<br>VMH 1412 |
| 0401 | Zeinab Karake<br>TuTh 12:30pm - 1:45pm  | Seats (Total: 60)<br>VMH 1412 |
| 0501 | Wei Chen<br>MW 12:30pm - 1:45pm         | Seats (Total: 60)<br>VMH 1333 |
| 0601 | Wei Chen<br>MW 11:00am - 12:15pm        | Seats (Total: 60)<br>VMH 1303 |
| 0701 | Wei Chen<br>TuTh 2:00pm - 3:15pm        | Seats (Total: 60)<br>VMH 1412 |

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### **BMGT301F Introduction to Information Systems**

Credits: 3                      Grading Method: Regular

*Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Additional information: CMSC majors will not receive credit for this course towards their upper level concentration in their CMSC major. All BMGT majors, including students who are a double major in CMCS, must complete BMGT301 for their BMGT degree.*

*Comprehensive overview of information systems (IS), which explores the strategic and tactical nature of IS. The basic concepts in analyzing and designing information systems for business applications will be presented. Aspects of data management such as databases, data warehousing, data analysis, and data mining will be analyzed, and the basics of web page and web site design will be outlined. Students will also be introduced to modern information systems infrastructure such as telecommunications, networks, and information systems security. Knowledge of Excel or a similar spreadsheet tool.*

Restricted to second year students in the Smith School's Smith Start program (FPFF).

|      |                                      |                               |
|------|--------------------------------------|-------------------------------|
| FP01 | Zeinab Karake<br>MW 12:30pm - 1:45pm | Seats (Total: 65)<br>VMH 1412 |
| FP02 | Zeinab Karake<br>MW 8:00am - 9:15am  | Seats (Total: 65)<br>VMH 1412 |

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### **BMGT302 Designing Applications for Business Analytics**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT301; or permission of BMGT-Robert H. Smith School of Business. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business; and must not be in Computer Science program.*

*Provides an introduction to structured programming with business applications. Programming logic and data structures are introduced. The course especially emphasizes hands-on exercises using Excel macros and Visual Basic for Applications (VBA), and covers business functions and analytics.*

Restricted to BMGT majors with 53 credit hours completed. Not open to Computer Science Majors.

|      |                                     |  |
|------|-------------------------------------|--|
| 0101 | Peng Huang<br>TuTh 3:30pm - 4:45pm  | Seats (Total: 32)<br>VMH 2203  |
| 0201 | Peng Huang<br>TuTh 9:30am - 10:45am | Seats (Total: 32)<br>VMH 2203  |
| 0301 | Wei Chen<br>MW 9:30am - 10:45am     | Seats (Total: 32)<br>VMH 2203<br><br><i>Students learn to design and program Macro in Excel using Visual Basic for Applications (VBA) to support business analytics. Fundamental programming principles are also introduced using the Visual Basic programming language.</i> |

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## **BMGT302F      Designing Applications for Business Analytics**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT301; or permission of BMGT-Robert H. Smith School of Business. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business; and must not be in Computer Science program.*

*Provides an introduction to structured programming with business applications. Programming logic and data structures are introduced. The course especially emphasizes hands-on exercises using Excel macros and Visual Basic for Applications (VBA), and covers business functions and analytics.*

Restricted to students in the Smith School's TBT Fellows program.

|      |                                      |                               |
|------|--------------------------------------|-------------------------------|
| FP01 | Peng Huang<br>TuTh 11:00am - 12:15pm | Seats (Total: 29)<br>VMH 2203 |
|------|--------------------------------------|-------------------------------|

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## **BMGT310      Intermediate Accounting I**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT221.*

*Comprehensive analysis of financial accounting topics related to financial statement preparation and external reporting.*

|      |   |                                |
|------|---|--------------------------------|
| 0101 | Leslie Mostow<br>MW 11:00am - 12:15pm<br><i>Restricted to Accounting and Finance majors with 53 credit hours completed.</i>   | Seats (Total: 35)<br>VMH 1411  |
| 0201 | Musa Subasi<br>TuTh 2:00pm - 3:15pm<br><i>Restricted to Accounting and Finance majors with 53 credit hours completed.</i>   | Seats (Total: 35)<br>VMH 1518  |
| 0301 | Musa Subasi<br>TuTh 12:30pm - 1:45pm<br><i>Restricted to Accounting and Finance majors with 53 credit hours completed.</i>  | Seats (Total: 35)<br>VMH 1411  |
| 0401 | Mary Keim<br>MW 3:30pm - 4:45pm<br><i>Restricted to Accounting and Finance majors with 53 credit hours completed.</i>   | Seats (Total: 35)<br>VMH 1415  |
| SG91 | Mary Keim<br>TuTh 9:30am - 10:45am<br><i>Restricted to Junior BMGT-Shady Grove students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i> | Seats (Total: 40)<br>BLD2 2052 |
| SG92 | Mary Keim<br>TuTh 11:00am - 12:15pm<br><i>Restricted to BMGT-Shady Grove Juniors majoring in Accounting. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i>  | Seats (Total: 40)<br>BLD2 2052 |

## **BMGT311**

### **Intermediate Accounting II**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT310.*

*Continuation of BMGT310.*

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Oliver Kim<br>TuTh 11:00am - 12:15pm<br><i>Restricted to accounting majors with 60 credit hours completed.</i> | Seats (Total: 35)<br>VMH 1415 |
|------|--|-------------------------------|

|      |  |                   |
|------|--|-------------------|
| 0201 | Stephen Brown  | Seats (Total: 35) |
|      | MW 9:30am - 10:45am  | VMH 1206          |
|      | <i>Restricted to accounting majors with 60 credit hours completed.</i> |                   |
| 0301 | Oliver Kim   | Seats (Total: 35) |
|      | TuTh 3:30pm - 4:45pm   | VMH 1202          |
|      | <i>Restricted to accounting majors with 60 credit hours completed.</i> |                   |
| SG91 | Samuel Handwerger  | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm   | BLD2 3012         |
|      | <i>Restricted to BMGT-Shady Grove Seniors majoring in Accounting.</i>  |                   |

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### **BMGT313      Financial Statement Analysis**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT221.*

*Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. Involves understanding and using the information that financial statements are communicating to users.*

Restricted to Accounting and Finance majors with 53 credits completed.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Brent Solomon        | Seats (Total: 45) |
|      | TuTh 2:00pm - 3:15pm | VMH 1418          |

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### **BMGT313F      Financial Statement Analysis**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT221.*

*Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. Involves understanding and using the information that financial statements are communicating to users.*

|      |   |                   |
|------|---|-------------------|
| FP01 | Brent Solomon   | Seats (Total: 35) |
|      | TuTh 9:30am - 10:45am   | VMH 1202          |
|      | <i>Restricted to Banking &amp; Private Wealth Management Fellows (FPFS) and Emerging CFOs (FPEC).</i> |                   |

|   |                        |                   |
|---|------------------------|-------------------|
| FP02  | Brent Solomon          | Seats (Total: 35) |
|   | TuTh 11:00am - 12:15pm | VMH 1202          |
| <i>Restricted to Banking &amp; Private Wealth Management Fellows (FPFS) and Emerging CFOs (FPEC).</i> |                        |                   |

## **BMGT321 Managerial Accounting**

Credits: 3      Grading Method: Regular

*Prerequisite: BMGT221.*

*A study of the basic concepts of product costing and cost analysis for management planning and control. Emphasis is placed on the role of the accountant in organizational management, analysis of cost behavior, standard cost budgeting, responsibility accounting and relevant costs for decision-making.*

|   |                        |                   |
|---|------------------------|-------------------|
| 0201  | Sebahattin Demirkan    | Seats (Total: 35) |
|   | MW 11:00am - 12:15pm   | VMH 1202          |
| <i>Restricted to BMGT majors with 53 credit hours completed.</i>  |                        |                   |
| 0301  | Sebahattin Demirkan    | Seats (Total: 35) |
|   | MW 3:30pm - 4:45pm     | VMH 1418          |
| <i>Restricted to BMGT majors with 53 credit hours completed.</i>  |                        |                   |
| 0401  | Sebahattin Demirkan    | Seats (Total: 35) |
|   | MW 12:30pm - 1:45pm    | VMH 1202          |
| <i>Restricted to BMGT majors with 53 credit hours completed.</i>  |                        |                   |
| SG91  | Nicholas Zemil         | Seats (Total: 40) |
|   | TuTh 11:00am - 12:15pm | BLD2 3012         |
| <i>Restricted to BMGT-Shady Grove Seniors majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i> |                        |                   |
| SG92  | Samuel Handwerger      | Seats (Total: 40) |
|   | TuTh 12:30pm - 1:45pm  | BLD2 3012         |
| <i>Restricted to BMGT-Shady Grove Seniors majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i> |                        |                   |

## **BMGT323 Taxation of Individuals**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT221.*

*Federal taxation of individuals focusing on income, exclusions, deductions, depreciation, credits and capital transactions. Property coverage includes the tax consequences of sales and dispositions of investment and business assets. Both tax planning and compliance issues are covered.*

|  |                      |                   |
|--|----------------------|-------------------|
| 0101   | Howard Weiner        | Seats (Total: 35) |
|  | MW 3:30pm - 4:45pm   | VMH 1206          |
| <i>Restricted to Accounting majors with 53 credit hours completed.</i> |                      |                   |
| 0201   | Jeffrey Milton       | Seats (Total: 35) |
|  | MW 11:00am - 12:15pm | VMH 1206          |
| <i>Restricted to Accounting majors with 53 credit hours completed.</i> |                      |                   |
| 0301   | Leslie Mostow        | Seats (Total: 35) |
|  | MW 9:30am - 10:45am  | VMH 1202          |
| <i>Restricted to Accounting majors with 53 credit hours completed.</i> |                      |                   |
| 0401   | Jeffrey Milton       | Seats (Total: 35) |
|  | MW 12:30pm - 1:45pm  | VMH 1411          |
| <i>Restricted to Accounting majors with 53 credit hours completed.</i> |                      |                   |

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## **BMGT326**

### **Accounting Systems**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT221; and (BMGT201 or BMGT301).*

*A study of accounting systems and computer and communications technology.*

|  |                        |                   |
|--|------------------------|-------------------|
| 0101   | James McKinney         | Seats (Total: 35) |
|  | TuTh 11:00am - 12:15pm | VMH 1336          |
| <i>Restricted to Accounting majors with 60 credit hours completed.</i> |                        |                   |
| 0201   | James McKinney         | Seats (Total: 35) |
|  | TuTh 12:30pm - 1:45pm  | VMH 1336          |
| <i>Restricted to Accounting majors with 60 credit hours completed.</i> |                        |                   |
| 0301   | James McKinney         | Seats (Total: 35) |
|  | TuTh 2:00pm - 3:15pm   | VMH 1336          |
| <i>Restricted to Accounting majors with 60 credit hours completed.</i> |                        |                   |

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**BMGT332 Quantitative Models for Management Decisions**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT231 or BMGT230; or students who have taken courses with comparable content may contact the department.*

*The aim of this course is to introduce management science techniques for informed decision-making that can be applied in spreadsheet models to assist in the decision-analysis process. Models include Linear Programming, Transportation and Assignment problems, network flow models, Integer and non-linear programming, Simulation and Decision Trees.*

Restricted to BMGT majors and Quest students with 53 credit hours completed.

|      |                                     |                               |
|------|-------------------------------------|-------------------------------|
| 0101 | Kazim Ruhi<br>TuTh 12:30pm - 1:45pm | Seats (Total: 45)<br>VMH 1335 |
| 0201 | Kazim Ruhi<br>TuTh 2:00pm - 3:15pm  | Seats (Total: 45)<br>VMH 1202 |
| 0301 | Kazim Ruhi<br>TuTh 5:00pm - 6:15pm  | Seats (Total: 45)<br>VMH 1336 |

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**BMGT340 Business Finance**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT221; and (BMGT231 or BMGT230).*

*Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management.*

|  |  |   |
|--|--|---|
| BL01   | Karen Hallows<br>MW 12:30pm - 1:45pm<br>Class time/details on ELMs | Seats (Total: 60)<br>VMH 1520<br>ONLINE |
| <i>Restricted to BMGT majors with 53 credit hours completed. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.</i> |  |   |

|  |   |   |
|--|---|---|
| BL02   | Michael Padhi<br>MW 2:00pm - 3:15pm<br>Class time/details on ELMs     | Seats (Total: 60)<br>VMH 1330<br>ONLINE |
| <i>Restricted to BMGT majors with 53 credit hours completed. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.</i> |   |   |
| BL03   | Michael Padhi<br>MW 11:00am - 12:15pm<br>Class time/details on ELMs   | Seats (Total: 50)<br>VMH 1412<br>ONLINE |
| <i>Restricted to BMGT majors with 53 credit hours completed. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.</i> |   |   |
| BL04   | Michael Padhi<br>MW 9:30am - 10:45am<br>Class time/details on ELMs    | Seats (Total: 60)<br>VMH 1412<br>ONLINE |
| <i>Restricted to BMGT majors with 53 credit hours completed. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.</i> |   |   |
| BL05   | Karen Hallows<br>TuTh 11:00am - 12:15pm<br>Class time/details on ELMs | Seats (Total: 60)<br>VMH 1524<br>ONLINE |
| <i>Restricted to BMGT majors with 53 credit hours completed. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.</i> |   |   |
| BL06   | Karen Hallows<br>TuTh 3:30pm - 4:45pm<br>Class time/details on ELMs   | Seats (Total: 60)<br>VMH 1412<br>ONLINE |
| <i>Restricted to BMGT majors with 53 credit hours completed. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.</i> |   |   |
| BL07   | Karen Hallows<br>TuTh 12:30pm - 1:45pm<br>Class time/details on ELMs  | Seats (Total: 60)<br>VMH 1303<br>ONLINE |
| <i>Restricted to BMGT majors with 53 credit hours completed. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.</i> |   |   |



|      |   |  |
|------|---|--|
| SG91 | Michael Padhi<br>TuTh 11:00am - 12:15pm | Seats (Total: 60)<br>BLD3 3202<br><br><i>Restricted to BMGT-Shady Grove Juniors majoring in Accounting and Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i> |
| SG92 | Michael Padhi<br>TuTh 12:30pm - 1:45pm  | Seats (Total: 60)<br>BLD3 3202<br><br><i>Restricted to BMGT-Shady Grove Juniors majoring in Accounting and Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i> |
| SG93 | Michael Padhi<br>TuTh 2:00pm - 3:15pm   | Seats (Total: 60)<br>BLD3 3202<br><br><i>Restricted to BMGT-Shady Grove Juniors majoring in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT undergraduate students are not eligible to enroll at Shady Grove.</i>         |

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#### **BMGT340F Business Finance**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT221; and (BMGT231 or BMGT230).*

*Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management.*

Restricted to students in the Smith School's Sophomore Wall Street Fellows Program.

|      |                                  |                               |
|------|----------------------------------|-------------------------------|
| FP01 | David Kass<br>MW 2:00pm - 3:15pm | Seats (Total: 35)<br>VMH 1411 |
|------|----------------------------------|-------------------------------|

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#### **BMGT340H Business Finance**

(Perm req)                      Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT221; and (BMGT231 or BMGT230).*

*Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management.*

Restricted to BMGT Honors students with 53 credit hours completed.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Vojislav Maksimovic | Seats (Total: 35) |
|      | MW 5:00pm - 6:15pm  | VMH 1307          |

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### **BMGT340N Business Finance**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT221; and (BMGT231 or BMGT230).*

*Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management.*

Restricted to agricultural and resource economics majors (0111C) with 53 credit hours completed.

|      |                            |                   |
|------|----------------------------|-------------------|
| BL03 | Michael Padhi              | Seats (Total: 10) |
|      | MW 11:00am - 12:15pm       | VMH 1412          |
|      | Class time/details on ELMs | ONLINE            |

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### **BMGT341 Financial Markets**

Credits: 3                      Grading Method: Regular

*Prerequisite: Must have completed or be concurrently enrolled in BMGT340. Formerly: BMGT498G.*

*Shows the interconnectedness of the markets. The role of the Central bank and monetary policy is included in this context. Students develop an understanding of: (i) the determination of interest rates; (ii) financial instruments, markets and institutions; (iii) the impact of monetary policy on institutions; and (iv) how financial innovations create markets.*

Prerequisite: BMGT340. Restricted to Finance majors with 60 credit hours completed.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Julie Pavlovsky        | Seats (Total: 45) |
|      | TuTh 9:30am - 10:45am  | VMH 1411          |
| 0201 | Julie Pavlovsky        | Seats (Total: 45) |
|      | TuTh 11:00am - 12:15pm | VMH 1411          |
| 0301 | Julie Pavlovsky        | Seats (Total: 45) |
|      | TuTh 2:00pm - 3:15pm   | VMH 1411          |

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### **BMGT343 Investments**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT340. Credit only granted for: BMGT343 or ECON435. Additional information: This course cannot be used to fulfill any requirements for majors in Economics.*

*An introduction to financial investments. Topics include: securities and securities markets; investment risks, returns and constraints; portfolio policies; and institutional investment policies.*

Restricted to Finance majors with 60 credit hours completed.

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Ryan Guttridge<br>MW 12:30pm - 1:45pm    | Seats (Total: 45)<br>VMH 1418 |
| 0201 | Kenneth Fuller<br>TuTh 11:00am - 12:15pm | Seats (Total: 45)<br>VMH 1418 |
| 0301 | Kenneth Fuller<br>TuTh 12:30pm - 1:45pm  | Seats (Total: 45)<br>VMH 1418 |
| 0401 | Ryan Guttridge<br>MW 11:00am - 12:15pm   | Seats (Total: 45)<br>VMH 1336 |
| 0501 | Ryan Guttridge<br>MW 5:00pm - 6:15pm     | Seats (Total: 45)<br>VMH 1303 |

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## **BMGT345**

### **Foundations of Financial Management for Non Business Majors**

Credits: 3                      Grading Method: Regular

*Restriction: Must not have completed BMGT340; and must not be a major in the R.H. Smith School of Business. Credit only granted for: BMGT345 or BMGT340. Additional information: Course does not apply to a Smith School degree. BMGT340 may substitute for BMGT345.*

*Provides students an overview of financial management. Students will understand how to accomplish the firm goal of maximizing shareholder value, learn how to conduct a financial statement analysis, and recognize its various elements, including profitability, credit risk, revenue, assets, liability, and cash flows. Understand the relationship between risk and return and how it impacts investment and corporate decisions.*

Restricted to General Business Minors.

|      |   |  |
|------|---|--|
| 0101 | Karen Hallows<br>MW 3:30pm - 4:45pm<br>Class time/details on ELMs | Seats (Total: 108)<br>ASY 2203<br>ONLINE |
|------|---|--|

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**BMGT349F Private Equity and Venture Capital**

Credits: 3                      Grading Method: Regular

*The New Markets Private Equity/Venture Capital Clinic allows students to gain professional experience commensurate with that of an Associate in a Venture Capital Firm. Students are trained to buy, own, actively manage and sell high growth technology companies in private transactions. The class format includes: lectures; presentations from guest speakers, including the regions leading CEOs, private equity and service providers; and a series of facilitated exercises that simulate buying, owning and selling businesses. The course exposes students to real life activities covering the entire deal process from market research, diligence, selection, negotiation valuing, and structuring an investment, as well as management, growth and exit of portfolio companies.*

Restricted to students in the Private Equity and Venture Capital Fellows program.

|      |   |                   |
|------|---|-------------------|
| FP01 | Mark Grovic                                   | Seats (Total: 13) |
|      | Tu 12:30pm - 3:20pm                           | VMH 2505          |
|      | Contact instructor or department for details. |                   |

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**BMGT350 Marketing Principles and Organization**

Credits: 3                      Grading Method: Regular

*Prerequisite: ECON200 or ECON205.*

*An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees.*

|      |  |                   |
|------|--|-------------------|
| BL01 | Roxanne Lefkoff  | Seats (Total: 60) |
|      | M 9:30am - 10:45am   | VMH 1520          |
|      | Class time/details on ELMs                                       | ONLINE            |
|      | <i>Restricted to BMGT majors with 53 credit hours completed.</i> |                   |
| BL02 | Roxanne Lefkoff  | Seats (Total: 60) |
|      | M 12:30pm - 1:45pm   | VMH 1303          |
|      | Class time/details on ELMs                                       | ONLINE            |
|      | <i>Restricted to BMGT majors with 53 credit hours completed.</i> |                   |
| BL03 | Roxanne Lefkoff  | Seats (Total: 60) |
|      | M 2:00pm - 3:15pm  | VMH 1303          |
|      | Class time/details on ELMs                                       | ONLINE            |
|      | <i>Restricted to BMGT majors with 53 credit hours completed.</i> |                   |

|      |  |   |
|------|--|---|
| BL04 | Marjorie Bonavia<br>W 9:30am - 10:45am<br>Class time/details on ELMs<br><br><i>Restricted to BMGT majors with 53 credit hours completed.</i>   | Seats (Total: 50)<br>VMH 1520<br>ONLINE |
| BL05 | Marjorie Bonavia<br>W 12:30pm - 1:45pm<br>Class time/details on ELMs<br><br><i>Restricted to BMGT majors with 53 credit hours completed.</i>   | Seats (Total: 60)<br>VMH 1303<br>ONLINE |
| BL06 | Marjorie Bonavia<br>W 2:00pm - 3:15pm<br>Class time/details on ELMs<br><br><i>Restricted to BMGT majors with 53 credit hours completed.</i>  | Seats (Total: 60)<br>VMH 1303<br>ONLINE |
| BL07 | Roxanne Lefkoff<br>Tu 11:00am - 12:15pm<br>Class time/details on ELMs<br><br><i>Restricted to BMGT majors with 53 credit hours completed.</i>  | Seats (Total: 60)<br>VMH 1212<br>ONLINE |
| SG91 | Henry Boyd<br>MW 9:30am - 10:45am<br><br><i>Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i>  | Seats (Total: 60)<br>BLD3 3202          |
| SG92 | Henry Boyd<br>MW 11:00am - 12:15pm<br><br><i>Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i> | Seats (Total: 60)<br>BLD3 3202          |
| SG93 | Henry Boyd<br>MW 2:00pm - 3:15pm<br><br><i>Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i>   | Seats (Total: 60)<br>BLD3 3202          |

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: ECON200 or ECON205.*

*An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees.*

Restricted to BMGT Honors students with 53 credit hours completed.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Roxanne Lefkoff       | Seats (Total: 35) |
|      | TuTh 9:30am - 10:45am | VMH 1415          |

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### **BMGT350N      Marketing Principles and Organization**

Credits: 3

Grading Method: Regular

*Prerequisite: ECON200 or ECON205.*

*An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees.*

Restricted to agricultural and resource economics (0111C) and horticulture (0107C) majors with 53 credit hours completed.

|      |                            |                   |
|------|----------------------------|-------------------|
| BL04 | Marjorie Bonavia           | Seats (Total: 10) |
|      | W 9:30am - 10:45am         | VMH 1520          |
|      | Class time/details on ELMs | ONLINE            |

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### **BMGT353      Retail Management**

Credits: 3

Grading Method: Regular

*Prerequisite: BMGT220 and BMGT350.*

*Planning and implementing retail marketing strategy. Store and nonstore (catalog, internet) retailing. Evaluation of how environmental trends in the consumer market, competition, the economy and technology affect retail strategy in the U.S. and global market.*

Restricted to BMGT majors with 60 credit hours completed.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Jie Zhang            | Seats (Total: 35) |
|      | TuTh 2:00pm - 3:15pm | VMH 1206          |

|      |                       |                   |
|------|-----------------------|-------------------|
| 0201 | Jie Zhang             | Seats (Total: 35) |
|      | TuTh 12:30pm - 1:45pm | VMH 1206          |

## **BMGT355 Foundations of Marketing for Non Business Majors**

Credits: 3      Grading Method: Regular

*Restriction: Must not have completed BMGT350; and must not be a major in the R.H. Smith School of Business. Credit only granted for: BMGT355 or BMGT350. Additional information: Course does not apply to a Smith School degree. BMGT350 may substitute for BMGT355.*

*Introduces the concepts and principles of marketing. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees.*

Restricted to General Business Minors. Blended.

|      |                            |                   |
|------|----------------------------|-------------------|
| BL01 | Rosellina Ferraro          | Seats (Total: 60) |
|      | Tu 12:30pm - 1:45pm        | SQH 1120          |
|      | Class time/details on ELMs | ONLINE            |
| BL02 | Rosellina Ferraro          | Seats (Total: 60) |
|      | Th 12:30pm - 1:45pm        | SQH 1120          |
|      | Class time/details on ELMs | ONLINE            |

## **BMGT360 Strategic Management of Human Capital**

Credits: 3      Grading Method: Regular

*Provides students with the basic knowledge needed to help organizations attract, select, develop, engage, evaluate, and retain talent. Topics covered may include strategic HRM, the role of globalization, legal issues in HRM, work analysis, HR planning, recruitment, personnel selection, performance management and appraisal, training and development, career development, compensation systems, motivating and rewarding performance, labor relations, and employee health and safety.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Jeffrey Kudisch   | Seats (Total: 60) |
|      | MW 2:00pm - 3:15pm  | VMH 1212          |
|      | <i>Open to all students with 53 credit hours completed.</i> |                   |
| 0201 | Jeffrey Kudisch   | Seats (Total: 60) |
|      | MW 3:30pm - 4:45pm  | VMH 1212          |
|      | <i>Open to all studnets with 53 credit hours completed.</i> |                   |

|   |                       |                   |
|---|-----------------------|-------------------|
| SG91  | Jeffrey Kudisch       | Seats (Total: 45) |
|   | TuTh 9:30am - 10:45am | BLD2 2062         |
| <i>Restricted to BMGT-Shady Grove Juniors majoring in Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i> |                       |                   |

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### **BMGT361 Entrepreneurship: Starting and Managing the Entrepreneurial Venture**

Credits: 3                      Grading Method: Regular

*Restriction: Must be in a major in BMGT-Robert H. Smith School of Business; and must be in the Smith Entrepreneurship Fellows Program; and must not have completed BMGT461. Credit only granted for: BMGT261, BMGT361, or BMGT461. Formerly: BMGT261.*

*Focuses on the early development of a new venture. Topics include: idea-getting, opportunity recognition, feasibility studies, new venture financing and startup. Guests speakers and practicing entrepreneurs offer real world guidance. Restricted to students admitted to the Smith Entrepreneurship Fellows Program.*

|   |                    |                   |
|---|--------------------|-------------------|
| SG91  | Oliver Schlake     | Seats (Total: 40) |
|   | Tu 2:00pm - 4:40pm | BLD2 3062         |
| <i>Restricted to BMGT-Shady Grove Juniors majoring in Entrepreneurship. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i> |                    |                   |

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### **BMGT363 Leadership and Teamwork in Organizations**

Credits: 3                      Grading Method: Regular

*Provides a comprehensive understanding of fundamental leadership concepts, theories, and skills in organizations and applies to assessing and developing effective leadership practices in organizations.*

*Restricted to Management majors with 53 credit hours completed.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Gosia Langa Basit      | Seats (Total: 45) |
|      | TuTh 11:00am - 12:15pm | VMH 1333          |

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### **BMGT364 Managing People and Organizations**

Credits: 3                      Grading Method: Regular

*An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes.*



|      |   |                                |
|------|---|--------------------------------|
| 0101 | Trevor Foulk<br>MW 8:00am - 9:15am<br><i>Restricted to BMGT majors with 53 credit hours completed.</i>  | Seats (Total: 55)<br>VMH 1303  |
| 0201 | Trevor Foulk<br>MW 9:30am - 10:45am<br><i>Restricted to BMGT majors with 53 credit hours completed.</i>   | Seats (Total: 60)<br>VMH 1303  |
| 0301 | Shuye Lu<br>MW 5:00pm - 6:15pm<br><i>Restricted to BMGT majors with 53 credit hours completed.</i>  | Seats (Total: 60)<br>VMH 1524  |
| 0401 | Nicole Coomber<br>TuTh 8:00am - 9:15am<br><i>Restricted to BMGT majors with 53 credit hours completed.</i>  | Seats (Total: 60)<br>VMH 1303  |
| 0501 | Nicole Coomber<br>TuTh 9:30am - 10:45am<br><i>Restricted to BMGT majors with 53 credit hours completed.</i>   | Seats (Total: 60)<br>VMH 1303  |
| 0601 | Gosia Langa Basit<br>M 7:00pm - 9:40pm<br><i>Restricted to BMGT majors with 53 credit hours completed.</i>  | Seats (Total: 60)<br>VMH 1412  |
| 0701 | Gosia Langa Basit<br>Tu 7:00pm - 9:40pm<br><i>Restricted to BMGT majors with 53 credit hours completed.</i>   | Seats (Total: 60)<br>VMH 1303  |
| SG91 | Gregory Marr<br>MW 8:00am - 9:15am<br><i>Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i>  | Seats (Total: 60)<br>BLD2 2062 |
| SG92 | Gregory Marr<br>MW 9:30am - 10:45am<br><i>Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i> | Seats (Total: 60)<br>BLD2 2062 |

|  |                      |                   |
|--|----------------------|-------------------|
| SG93   | Gregory Marr         | Seats (Total: 60) |
|  | MW 11:00am - 12:15pm | BLD2 2062         |
| <i>Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i> |                      |                   |

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### **BMGT364M      Managing People and Organizations**

Credits: 3                      Grading Method: Regular

*An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes.*

Restricted to General Business Minors

|      |                            |                    |
|------|----------------------------|--------------------|
| BL01 | Hannah Weiser              | Seats (Total: 120) |
|      | M 2:00pm - 3:15pm          | ESJ 2208           |
|      | Class time/details on ELMs | ONLINE             |

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### **BMGT364N      Managing People and Organizations**

Credits: 3                      Grading Method: Regular

*An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes.*

Restricted to agricultural and resource economics (0111C) and dietetics (1307D) majors with 53 credit hours completed.

|      |                    |                  |
|------|--------------------|------------------|
| 0101 | Trevor Foulk       | Seats (Total: 5) |
|      | MW 8:00am - 9:15am | VMH 1303         |

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### **BMGT365      Entrepreneurial Finance and Private Equity**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT461 or BMGT361. Restriction: Junior standing or higher. Credit only granted for: BMGT365, ENES466 or HLMN471.*

*Studies venture capital and private equity using a combination of cases lectures and guest speakers. Addresses how venture capitalists provide capital to start-up firms in growing industries and how private equity markets provide capital to help established medium-sized firms (often family businesses) grow and restructure. Focuses on how financial, legal, and economic issues are dealt with in the financial contracts between venture capitalists and their limited partners and between capitalists (or other private equity investors) and the firms in which they invest.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Instructor: TBA                               | Seats (Total: 36) |
|      | Contact instructor or department for details. |                   |

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## **BMGT366      Growth Strategies for Emerging Companies**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT461 or BMGT361. Restriction: Junior standing or higher.*

*Offers practical management tools that are needed to build a new venture into a significant enterprise. The competencies, strategies and structures of successful high performance businesses are studied through cases, videos and guest lecturers. Topics include leadership, internal growth strategies, merger, acquisition and franchising.*

Restricted to Innovation and Entrepreneurship Minors and Management Majors.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | David Kirsch           | Seats (Total: 40) |
|      | TuTh 11:00am - 12:15pm | SHM 2102          |

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## **BMGT367      Career Search Strategies in Business**

Credits: 1                      Grading Method: Regular

*Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.*

*An overview and opportunity to practice job search skills critical to obtaining internships and full-time positions. Course will cover strategies for exploring career options, preparing job search materials, development of job search skills such as interviewing and networking. Students are encouraged to take this course in the sophomore or junior year.*

|      |  |                   |
|------|--|-------------------|
| 0101 | Erin Saddler, Michael Poerksen                                     | Seats (Total: 54) |
|      | M 5:00pm - 5:50pm  | VMH 1212          |
|      | <i>Restricted to BMGT students with 45 credit hours completed.</i> |                   |
| 0201 | Erin Saddler, Susan Powell   | Seats (Total: 54) |
|      | Tu 5:00pm - 5:50pm   | VMH 1303          |
|      | <i>Restricted to BMGT students with 45 credit hours completed.</i> |                   |

|      |   |                                |
|------|---|--------------------------------|
| 0301 | Erin Saddler, Lawrence Silver<br>W 5:00pm - 5:50pm<br><i>Restricted to BMGT students with 45 credit hours completed.</i>  | Seats (Total: 54)<br>VMH 1212  |
| 0401 | Erin Saddler, Michael Poerksen<br>M 6:00pm - 6:50pm<br><i>Restricted to BMGT students with 45 credit hours completed.</i>   | Seats (Total: 54)<br>VMH 1212  |
| 0501 | Erin Saddler, Michelle Doan<br>W 5:00pm - 5:50pm<br><i>Restricted to BMGT students with 45 credit hours completed.</i>  | Seats (Total: 45)<br>VMH 1418  |
| SG91 | Elmer Cherry, Erin Saddler<br>W 5:00pm - 5:50pm<br><i>Restricted to BMGT-Shady Grove Juniors majoring in Entrepreneurship and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate students are not eligible to enroll at Shady Grove.</i> | Seats (Total: 60)<br>BLD2 2032 |
| SG92 | Katherine Bosch, Erin Saddler<br>W 5:00pm - 5:50pm<br><i>Restricted to BMGT-Shady Grove Juniors majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i>             | Seats (Total: 45)<br>BLD2 3052 |
| SG93 | Meghan Houston, Erin Saddler<br>W 5:00pm - 5:50pm<br><i>Restricted to BMGT-Shady Grove Juniors majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate students are not eligible to enroll at Shady Grove.</i>                   | Seats (Total: 45)<br>BLD2 2062 |

## BMGT370

### Introduction to Transportation

Credits: 3      Grading Method: Regular

*An overview of the transportation field with an emphasis on freight movements from the perspective of both providers of capacity and users of freight services. Examines the characteristics of the freight modes and the role of each mode as a major component of logistics and supply chain management. Explores the economics, energy use, and finances of each mode as well as the impact of government policies on each mode's future. Discussion of infrastructure and capacity needs of the transportation system and its ability to support the economy.*

Restricted to BMGT majors with 53 credit hours completed.

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Geoffrey Milsom<br>MW 8:00am - 9:15am  | Seats (Total: 45)<br>VMH 1307 |
| 0201 | Geoffrey Milsom<br>MW 9:30am - 10:45am | Seats (Total: 45)<br>VMH 1307 |

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## **BMGT372 Introduction to Logistics and Supply Chain Management**

Credits: 3                      Grading Method: Regular

*Supply chain management involves the coordination of suppliers, manufacturers, distributors, and retailers to ensure that products and services are available to the final consumer in a timely and cost-effective fashion. Logistics management is the subset of supply chain management dealing with the physical flows of product and includes such activities as transportation management, warehousing, materials handling, inventory management, and order fulfillment. Attention is paid to the logistics cost trade-offs within the firm and between members of the supply chain.*

Restricted to BMGT majors with 53 credit hours completed.

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Humberto Coronado<br>TuTh 9:30am - 10:45am  | Seats (Total: 40)<br>VMH 1206 |
| 0201 | Humberto Coronado<br>TuTh 11:00am - 12:15pm | Seats (Total: 40)<br>VMH 1206 |
| 0301 | Leland Gardner<br>MW 3:30pm - 4:45pm        | Seats (Total: 40)<br>VMH 2505 |
| 0401 | Humberto Coronado<br>TuTh 12:30pm - 1:45pm  | Seats (Total: 40)<br>VMH 1311 |

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## **BMGT375 Supply Chain Management for Non Business Majors**

Credits: 2                      Grading Method: Regular

*Restriction: Must be admitted to the Minor in General Business or the Minor in Innovation and Entrepreneurship; and must not have completed BMGT372; and must not be a major in the R.H. Smith School of Business. Credit only granted for: BMGT375 or BMGT372. Additional information: Course does not apply to a Smith School degree. Course may be substituted by BMGT372 for General Business minor or Innovation and Entrepreneurship minor students only.*

*Examines management decision-making in the design, implementation and coordination of a firm's supply chain activities. Topics include transportation management, warehousing, materials handling, inventory management, and order fulfillment.*

Restricted to General Business Minors.

|      |   |                    |
|------|---|--------------------|
| BL01 | Hugh Turner                                       | Seats (Total: 105) |
|      | <b>Meets October 19, 2017 - December 11, 2017</b> |                    |
|      | MW 2:00pm - 3:15pm                                | TWS 0310           |
|      | Class time/details on ELMs                        | ONLINE             |

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**BMGT380****Business Law I**

Credits: 3

Grading Method: Regular

*Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues.*

|      |   |                   |
|------|---|-------------------|
| 0101 | William McClenahan  | Seats (Total: 50) |
|      | TuTh 8:00am - 9:15am  | VMH 1333          |
|      | <i>Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.</i> |                   |
| 0201 | T Anenson   | Seats (Total: 60) |
|      | MW 3:30pm - 4:45pm  | VMH 1412          |
|      | <i>Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.</i> |                   |
| 0301 | T Anenson   | Seats (Total: 60) |
|      | MW 5:00pm - 6:15pm  | VMH 1412          |
|      | <i>Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.</i> |                   |
| 0401 | T Anenson   | Seats (Total: 60) |
|      | MW 2:00pm - 3:15pm  | VMH 1412          |
|      | <i>Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.</i> |                   |
| 0501 | William McClenahan  | Seats (Total: 60) |
|      | TuTh 9:30am - 10:45am   | VMH 1333          |
|      | <i>Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.</i> |                   |

|      |  |  |
|------|--|--|
| 0601 | Jennifer Gershberg<br>TuTh 2:00pm - 3:15pm | Seats (Total: 60)<br>VMH 1303<br><br><i>Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.</i>   |
| 0701 | Richard Daniels<br>TuTh 3:30pm - 4:45pm    | Seats (Total: 60)<br>VMH 1303<br><br><i>Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.</i>   |
| SG91 | Jennifer Gershberg<br>MW 9:30am - 10:45am  | Seats (Total: 60)<br>BLD3 4202<br><br><i>Restricted to BMGT-shady Grove Seniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i> |
| SG92 | Jennifer Gershberg<br>MW 11:00am - 12:15pm | Seats (Total: 60)<br>BLD3 4202<br><br><i>Restricted to BMGT-Shady Grove Seniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i> |
| SG93 | Justin Reyna<br>MW 12:30pm - 1:45pm        | Seats (Total: 60)<br>BLD3 4202<br><br><i>Restricted to BMGT-Shady Grove Seniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i> |

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**BMGT380N**
**Business Law I**

Credits: 3      Grading Method: Regular

*Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues.*

Restricted to agricultural and resource economics majors (0111C) with 53 credit hours completed.

|      |  |                               |
|------|--|-------------------------------|
| 0101 | William McClenahan<br>TuTh 8:00am - 9:15am | Seats (Total: 10)<br>VMH 1333 |
|------|--|-------------------------------|

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**BMGT382**
**Marketing and Innovation for Entrepreneurs**

Credits: 3                      Grading Method: Regular

*Restriction: Must not have completed BMGT352. Credit only granted for: BMGT352 or BMGT382.  
Additional information: Course will not satisfy a Marketing major requirement.*

*Marketing and Innovation are two critically important activities that determine success in any business venture. This course will focus on understanding the fundamentals of marketing and innovation from the perspective of an entrepreneur. At a broad level, we will apply proven marketing frameworks (STP and 4Ps) to effectively deliver innovation in an entrepreneurial context.*

Restricted to Innovation and Entrepreneurship Minors.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Yogesh Joshi           | Seats (Total: 40) |
|      | TuTh 11:00am - 12:15pm | SQH 1120          |

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### **BMGT385                      Operations Management**

Credits: 3                      Grading Method: Regular

*Credit only granted for: BMGT385 or ENME426.*

*Studies the design, management and improvement of a firm's processes and systems for creation and delivery of products and services. Includes strategic and operational views of supply chain, product development, and capacity analysis, highlighting the competitive advantages that operations management can provide the firm.*

Restricted to BMGT majors and QUEST program students with 53 credit hours completed and to Business Process Fellows.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Wedad Elmaghraby     | Seats (Total: 45) |
|      | TuTh 2:00pm - 3:15pm | VMH 1307          |

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### **BMGT390H                      Systems Thinking for Managerial Decision Making**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENES190 or BMGT190; and must be a QUEST student. Also offered as: ENES390.  
Credit only granted for: BMGT390, ENES390, or ENES498X.*

*An introduction to the theory, concepts, tools, and practices of system thinking to enhance managerial decision making. Offers a blend of theory, real-life examples, and proven methods to initiate and sustain an organization-wide reorientation towards systems thinking.*

Restricted to QUEST program students. Also offered as ENES390H.



|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Gerald Suarez      | Seats (Total: 45) |
|      | MW 2:00pm - 3:15pm | ESJ 2309          |

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### **BMGT392 Introduction to International Business Management**

Credits: 3                      Grading Method: Regular

*Prerequisite: ECON200.*

*A study of the domestic and foreign environmental factors affecting the international operations of U.S. business firms. The course also covers the administrative aspects of international marketing, finance and management.*

Restricted to BMGT majors with 53 credit hours completed.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Wilbur Chung         | Seats (Total: 30) |
|      | TuTh 3:30pm - 4:45pm | VMH 1418          |
| 0201 | Wilbur Chung         | Seats (Total: 30) |
|      | TuTh 5:00pm - 6:15pm | VMH 1418          |

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### **BMGT397 Mentoring Design and Quality Teams**

Credits: 3                      Grading Method: Regular

*Restriction: Restricted to QUEST Program (TQMP) students. Also offered as: ENES397. Credit only granted for: BMGT397, ENES397, or BMGT398D. Formerly: BMGT398D.*

*Practice essential skills for leading and coaching multidisciplinary teams. These include effective communications, facilitation, conflict resolution, and the ability to motivate. Students will practice these skills as mentors for student teams from BMGT/ENES 190H. In the process, they will strengthen their knowledge of design and quality techniques.*

Restricted to QUEST program students. Also offered as ENES397.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Pamela Armstrong  | Seats (Total: 16) |
|      | W 6:00pm - 8:50pm | VMH 1415          |

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### **BMGT398 Individual Study in Business and Management**

(Perm req)

Credits: 1-3                      Grading Method: Regular

**Contact department for information to register for this course.**

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### **BMGT398A Individual Study in Business and Management; Internship**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

Restricted to Smith School of Business students. Interested students should contact Erin Fields Saddler (esaddler@rhsmith.umd.edu) for details and permission.

|   |                               |                   |
|---|-------------------------------|-------------------|
| 0101  | Erin Saddler, Jeffrey Kudisch | Seats (Total: 25) |
| Contact instructor or department for details. |                               |                   |
| SG91  | Jeffrey Kudisch, Erin Saddler | Seats (Total: 10) |
| Contact instructor or department for details. |                               |                   |

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**BMGT398C****Individual Study in Business and Management; Undergraduate Teaching Scholars Training**

(Perm req)

Credits: 1

Grading Method: Regular,  
Pass-Fail

Restricted to Accounting Teaching Scholars (FPTS).

|   |              |                   |
|---|--------------|-------------------|
| 0101  | Progyan Basu | Seats (Total: 19) |
| Contact instructor or department for details. |              |                   |

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**BMGT398L****Individual Study in Business and Management; Innovo Consulting Practicum: Innovate Business Processes**

(Perm req)

Credits: 3

Grading Method: Regular

**Contact department for information to register for this course.**

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**BMGT398T****Individual Study in Business and Management; The External Transfer Student in Smith**

(Perm req)

Credits: 1

Grading Method: Regular

Restricted to incoming Fall Smith School External Transfer students only.

|   |             |                   |
|---|-------------|-------------------|
| 0101  | Evan Riddle | Seats (Total: 35) |
| <b>Meets August 28, 2017 - October 17, 2017</b> |             |                   |
| Tu 5:00pm - 6:35pm                              |             | VMH 1411          |

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**BMGT398W****Individual Study in Business and Management; Junior Wall Street Fellows.**

(Perm req)

Credits: 1

Grading Method: Regular

Restricted to students in the Smith School's Junior Wall Street Fellows programs.

|      |                    |                   |
|------|--------------------|-------------------|
| FP01 | Julie Pavlovsky    | Seats (Total: 24) |
|      | Tu 3:30pm - 4:45pm | VMH 1307          |

## BMGT402 Database Systems

Credits: 3 Grading Method: Regular

*Recommended: BMGT302. Credit only granted for: INST327 or BMGT402.*

*The fundamentals of database management systems (DBMS), data models, query processing, and data warehouses, and their application in the development of business information systems will be covered. An important goal of this course is to understand the value of information resources and information management challenges within an organization.*

Restricted to BMGT majors and Business Analytics minors with 72 credit hours completed.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Woei-Jyh Lee          | Seats (Total: 35) |
|      | TuTh 2:00pm - 3:15pm  | VMH 2203          |
|      | Tu 5:00pm - 5:50pm    | VMH 2203 Lab      |
| 0201 | Lanfei Shi            | Seats (Total: 35) |
|      | MW 3:30pm - 4:45pm    | VMH 2203          |
|      | Tu 6:00pm - 6:50pm    | VMH 2203 Lab      |
| 0301 | Woei-Jyh Lee          | Seats (Total: 35) |
|      | TuTh 12:30pm - 1:45pm | VMH 2203          |
|      | Tu 7:00pm - 7:50pm    | VMH 2203 Lab      |
| 0401 | Woei-Jyh Lee          | Seats (Total: 35) |
|      | MW 8:00am - 9:15am    | VMH 2203          |
|      | Tu 8:00pm - 8:50pm    | VMH 2203 Lab      |

## BMGT403 Systems Analysis and Design

Credits: 3 Grading Method: Regular

*Prerequisite: BMGT301; or students who have taken courses with comparable content may contact the department. Recommended: BMGT302.*

*Techniques and tools applicable to the analysis and design of computer-based information systems. System life cycle, requirements analysis, logical design of databases and performance evaluation. Emphasis on case studies. Project required that involves the design, analysis and implementation of an information system.*

Restricted to BMGT majors with 72 credit hours completed.

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Hassan Ibrahim<br>MW 11:00am - 12:15pm | Seats (Total: 36)<br>VMH 2203 |
| 0201 | Hassan Ibrahim<br>Tu 7:00pm - 9:40pm   | Seats (Total: 24)<br>VMH 3522 |
| 0301 | Hassan Ibrahim<br>MW 12:30pm - 1:45pm  | Seats (Total: 36)<br>VMH 2203 |
| 0401 | Hassan Ibrahim<br>M 7:00pm - 9:40pm    | Seats (Total: 36)<br>VMH 2203 |

## BMGT406

### Developing Applications for the Web and Social Media

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT402 and BMGT302. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Credit only granted for: INST377 or BMGT406.*

*The design and development of Web applications and the underlying platforms and standards for Web application development will be covered. It will examine the phenomenon of social media, social networking and crowdsourcing and understand their use within organizations.*

Restricted to BMGT majors with 72 credit hours completed.

|      |                                      |                               |
|------|--------------------------------------|-------------------------------|
| 0101 | Louiqa Raschid<br>MW 5:00pm - 6:50pm | Seats (Total: 20)<br>VMH 2203 |
|------|--------------------------------------|-------------------------------|

## BMGT407

### Information Systems Projects

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT402 and BMGT403. Restriction: Senior standing.*

*Senior capstone course for the decision and information sciences major. Collected knowledge from the DIS courses and application to significant problems of size and complexity. State-of-the-art research ideas and current business and industrial practices in information systems.*

Restricted to Information Systems majors with 86 credit hours completed.

|      |                                      |                               |
|------|--------------------------------------|-------------------------------|
| 0101 | Hassan Ibrahim<br>MW 2:00pm - 3:15pm | Seats (Total: 30)<br>VMH 2203 |
| 0201 | Hassan Ibrahim<br>W 7:00pm - 9:40pm  | Seats (Total: 30)<br>VMH 2203 |

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**BMGT408E      Emerging Topics in Information Systems; Big Data and Artificial Intelligence for Business**

Credits: 3                      Grading Method: Regular

*Selected advanced topics covering emerging developments in the field of decision and information technologies.*

Prerequisite: BMGT402. Restricted to BMGT majors with 72 credit hours completed.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Weiguang Wang, Guodong Gao | Seats (Total: 25) |
|      | MW 11:00am - 12:15pm       | VMH 1520          |

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**BMGT411      Ethics and Professionalism in Accounting**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT311. Restriction: Must be in Accounting program.*

*Analysis and discussion of issues relating to ethics and professionalism in accounting.*

Restricted to Accounting majors with 86 credit hours completed.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | David Weber          | Seats (Total: 35) |
|      | MW 11:00am - 12:15pm | VMH 1307          |
| 0201 | Sandra Rose          | Seats (Total: 35) |
|      | MW 12:30pm - 1:45pm  | VMH 1307          |
| 0301 | Sandra Rose          | Seats (Total: 35) |
|      | MW 2:00pm - 3:15pm   | VMH 1311          |

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**BMGT417      Taxation of Corporations, Partnerships and Estates**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT221.*

*Federal taxation of corporations using the life-cycle approach-formation, operation, assessment, merger, reorganization and liquidation. Overviews of pass-through entities - partnerships and s-corporations -using the life-cycle approach, and the tax consequences of wealth transfers by individuals - gift and estate taxation. Both tax planning and compliance issues are addressed.*

Restricted to Accounting majors with 84 credit hours completed.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Peter Ford         | Seats (Total: 40) |
|      | MW 5:00pm - 6:15pm | VMH 1411          |

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**BMGT422****Auditing Theory and Practice**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT310; and must have completed or be concurrently enrolled in BMGT311.**A study of the independent accountant's attest function, generally accepted auditing standards, compliance and substantive tests and report forms and opinions.*

|      |   |                                |
|------|---|--------------------------------|
| 0101 | James McKinney<br>TuTh 3:30pm - 4:45pm<br><i>Restricted to Accounting majors.</i>                                 | Seats (Total: 35)<br>VMH 1206  |
| 0201 | James McKinney<br>TuTh 5:00pm - 6:15pm<br><i>Restricted to Accounting majors.</i>                                 | Seats (Total: 35)<br>VMH 1206  |
| 0301 | Mary Keim<br>MW 12:30pm - 1:45pm<br><i>Restricted to Accounting majors.</i>                                       | Seats (Total: 35)<br>VMH 1206  |
| SG91 | Rebecca Martin<br>TuTh 12:30pm - 1:45pm<br><i>Restricted to BMGT-Shady Grove Seniors majoring in Accounting.</i>  | Seats (Total: 40)<br>BLD3 4220 |
| SG92 | Rebecca Martin<br>TuTh 11:00am - 12:15pm<br><i>Restricted to BMGT-Shady Grove Seniors majoring in Accounting.</i> | Seats (Total: 40)<br>BLD3 4220 |

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**BMGT430****Data Modeling in Business**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT231 or BMGT230; or permission of BMGT-Robert H. Smith School of Business.**Explores the role of statistical models in business analytics to drive managerial decision-making and improve performance through the use of relevant data-motivated examples. Topics include regression models (both simple and multiple regression, as well as logistic regression for binary data), model validation, variable transformation, variable selection, discriminant analysis, and forecasting. These topics are modeled using state-of-the-art data analytics software.*

Restricted to BMGT majors with 84 credit hours completed or students in the Business Analytics minor .

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Radu Lazar           | Seats (Total: 55) |
|      | TuTh 5:00pm - 6:15pm | VMH 1335          |

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### **BMGT431 Data Analytics**

Credits: 3      Grading Method: Regular

*Prerequisite: BMGT430.*

*An introduction to the tools and techniques that are central to the analysis of abundant data that is being collected in many forms including web traffic, social network data, and reviews and comments on websites.*

Restricted to Business Analytics minors or OM majors.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Radu Lazar           | Seats (Total: 45) |
|      | TuTh 2:00pm - 3:15pm | VMH 1524          |

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### **BMGT434 Analytics Consulting: Cases and Projects**

Credits: 3      Grading Method: Regular

*Prerequisite: BMGT332; and (MATH120 or MATH140; or must have completed MATH220). Or students who have taken courses with comparable content may contact the department. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.*

*This course assumes that students have already been introduced to the concepts and techniques of operations research/business analytics (OR/BA). Published papers, short cases, and projects in OR/BA will be analyzed and discussed in a thoughtful way, taking into account the soft (people-related) issues and the hard (mathematical/optimization) issues.*

Restricted to BMGT majors, QUEST students, and Business Analytics minors minors with 72 credit hours completed.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Bruce Golden       | Seats (Total: 40) |
|      | MW 2:00pm - 3:15pm | VMH 1206          |

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### **BMGT435 Business Process Simulation**

Credits: 3      Grading Method: Regular

*Prerequisite: BMGT231 or BMGT230; or students who have taken courses with comparable content may contact the department. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.*

*Develop and plan simulation studies, build simulation models with special purpose software, analyze and interpret the results. Extensive use of applications and real-world examples. The emphasis is on model formulation and the interpretation of results, rather than mathematical theory.*

Restricted to BMGT majors or Business Analytics minors with 60 credits completed.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Kazim Ruhi           | Seats (Total: 40) |
|      | TuTh 3:30pm - 4:45pm | VMH 1336          |

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**BMGT438A      Special Topics in Operations Management; Applied Quantitative Analysis**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected advanced topics in operations management.*

Course restricted to QUEST students. Also offered as ENES489A. Credit granted for BMGT438A or ENES489A.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | David Ashley      | Seats (Total: 20) |
|      | M 5:00pm - 7:40pm | VMH 1415          |

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**BMGT440      Advanced Financial Management**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT340.*

*Analysis and discussion of cases and readings relating to financial decisions of the firm. The application of finance concepts to the solution of financial problems is emphasized.*

Restricted to BMGT majors with 68 credit hours completed.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Elinda Kiss          | Seats (Total: 47) |
|      | MW 9:30am - 10:45am  | VMH 1335          |
| 0201 | David Kass           | Seats (Total: 47) |
|      | TuTh 2:00pm - 3:15pm | VMH 1335          |
| 0301 | David Kass           | Seats (Total: 47) |
|      | TuTh 3:30pm - 4:45pm | VMH 1335          |
| 0401 | Elinda Kiss          | Seats (Total: 48) |
|      | MW 11:00am - 12:15pm | VMH 1335          |



|      |                        |                   |
|------|------------------------|-------------------|
| 0501 | David Kass             | Seats (Total: 47) |
|      | TuTh 11:00am - 12:15pm | VMH 1303          |

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### **BMGT443      Applied Equity Analysis and Portfolio Management**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT343.*

*Study and application of the concepts, methods, models, and empirical findings to the analysis, valuation and selection of securities, especially common stock.*

Restricted to BMGT majors with 84 credit hours completed.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Joseph Perfetti      | Seats (Total: 45) |
|      | MW 11:00am - 12:15pm | VMH 3505          |
| 0201 | Joseph Perfetti      | Seats (Total: 45) |
|      | MW 2:00pm - 3:15pm   | VMH 3505          |
| 0301 | Joseph Perfetti      | Seats (Total: 45) |
|      | MW 3:30pm - 4:45pm   | VMH 3505          |
| 0401 | Joseph Perfetti      | Seats (Total: 45) |
|      | MW 12:30pm - 1:45pm  | VMH 3505          |

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### **BMGT444      Futures and Options Contracts**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT343. Credit only granted for: BMGT444 or MATH424.*

*The institutional features and economic rationale underlying markets in futures and options. Hedging, speculation, structure of futures prices, interest rate futures, efficiency in futures markets and stock and commodity options.*

Restricted to Finance majors with 84 credit hours completed.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Dilip Madan       | Seats (Total: 60) |
|      | M 7:00pm - 9:40pm | VMH 1330          |

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### **BMGT445      Banking and Financial Institutions**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT340. Recommended: ECON330 or BMGT341.*

*Analysis and discussion of cases and readings in commercial bank management. The loan function is emphasized; also the management of liquidity reserves, investments for income and source of funds. Bank objectives, functions, policies, organization, structure, services and regulation are considered.*

Restricted to Finance majors with 84 credit hours completed.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Elinda Kiss        | Seats (Total: 51) |
|      | MW 2:00pm - 3:15pm | VMH 1335          |
| 0201 | Elinda Kiss        | Seats (Total: 51) |
|      | MW 3:30pm - 4:45pm | VMH 1335          |

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**BMGT446****International Finance**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT340.*

*Financial management from the perspective of the multinational corporation. Topics covered include the organization and functions of foreign exchange and international capital markets, international capital budgeting, financing foreign trade and designing a global financing strategy. Emphasis of the course is on how to manage exchange and political risks while maximizing benefits from global opportunity sets faced by the firm.*

Restricted to Finance and International Business majors with 72 credit hours completed.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | James Seward          | Seats (Total: 45) |
|      | TuTh 9:30am - 10:45am | VMH 1307          |
| 0201 | Stefano Collina       | Seats (Total: 45) |
|      | Th 7:00pm - 9:40pm    | VMH 1206          |
| 0301 | William MacDonald     | Seats (Total: 45) |
|      | TuTh 12:30pm - 1:45pm | VMH 1202          |

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**BMGT448G****Special Topics in Finance; Quantitative Financial Analysis**

Credits: 3                      Grading Method: Regular

*Selected advanced topics in finance.*

Prerequisite: BMGT230 and BMGT340. Pre-or Co-requisite: BMGT343. Restricted to Quantitative Finance Fellows.

|      |                      |                   |
|------|----------------------|-------------------|
| FP01 | Jinming Xue          | Seats (Total: 35) |
|      | TuTh 5:00pm - 6:15pm | VMH 3505          |

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**BMGT448L      Special Topics in Finance; Hedge Fund Management**

Credits: 3                      Grading Method: Regular

*Selected advanced topics in finance.*

Prerequisite: BMGT340. Restricted to Finance majors with 72 credit hours completed.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Kenneth Brodkowitz     | Seats (Total: 45) |
|      | TuTh 11:00am - 12:15pm | VMH 3505          |
| 0201 | Kenneth Brodkowitz     | Seats (Total: 45) |
|      | TuTh 12:30pm - 1:45pm  | VMH 3505          |

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**BMGT449F      Investment Fund Management: Lemma Senbet Fund**

Credits: 3                      Grading Method: Regular

*The Lemma Senbet Fund is a year-long, advanced finance course available to undergraduate finance majors in their senior year. Ten to twelve students will be selected in the spring of their junior year to participate on the fund, two as portfolio managers and eight to ten as equity analysts. The course provides students with the opportunity to apply what they have learned in finance classes to actual investment decisions, through researching real companies and managing a portfolio of real money.*

Restricted to Lemma Senbet Fund Fellows (FPSF).

|      |                        |                   |
|------|------------------------|-------------------|
| FP01 | Sarah Kroncke          | Seats (Total: 12) |
|      | TuTh 10:00am - 11:50am | VMH 2509          |

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**BMGT450      Integrated Marketing Communications**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT350. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT354 or BMGT450. Formerly: BMGT354.*

*In-depth study of coordinated marketing activities including advertising, sales promotion, Internet marketing, direct marketing and personal selling. Emphasizes strategic planning to effectively use these promotional tools to communicate with customers and meet marketing goals. Blends theory and current practice to provide managerial orientation.*

Restricted to BMGT majors with 60 credit hours completed.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Christine Schaaf    | Seats (Total: 35) |
|      | MW 9:30am - 10:45am | VMH 1411          |

## **BMGT451 Consumer Analysis**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT350. Recommended: PSYC100; and PSYC221.*

*Identifying buyer behavior concepts relevant to a specific marketing problem so that appropriate marketing decisions can be made. Conceptual frameworks are drawn from psychology, sociology, economics, and other social sciences to aid in understanding the behavior of ultimate and industrial buyers.*

Restricted to Marketing majors with 68 credit hours completed.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Yajin Wang           | Seats (Total: 38) |
|      | MW 12:30pm - 1:45pm  | VMH 1415          |
| 0201 | Yajin Wang           | Seats (Total: 38) |
|      | MW 9:30am - 10:45am  | VMH 1415          |
| 0301 | Yajin Wang           | Seats (Total: 38) |
|      | MW 11:00am - 12:15pm | VMH 1415          |

## **BMGT452 Marketing Research Methods**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT350 and BMGT230.*

*Focuses on aiding marketing decision-making through exploratory, descriptive and casual research. Develops student skills in designing market research studies, including selection of data collection method, development of data collection instrument, sample design, collection and statistical analysis of data and reporting the results.*

|   |                      |                   |
|---|----------------------|-------------------|
| 0101  | Lingling Zhang       | Seats (Total: 32) |
|   | TuTh 3:30pm - 4:45pm | VMH 1415          |
| <i>Restricted to Marketing majors with 72 credit hours completed.</i> |                      |                   |
| 0201  | Bo Zhou              | Seats (Total: 32) |
|   | TuTh 2:00pm - 3:15pm | VMH 1415          |
| <i>Restricted to Marketing majors with 72 credit hours completed.</i> |                      |                   |

|  |                        |                   |
|--|------------------------|-------------------|
| 0301   | Lingling Zhang         | Seats (Total: 32) |
|  | TuTh 9:30am - 10:45am  | VMH 1412          |
| <i>Restricted to Marketing majors with 72 credit hours completed.</i>  |                        |                   |
| SG91   | Bo Zhou                | Seats (Total: 40) |
|  | TuTh 11:00am - 12:15pm | BLD2 3052         |
| <i>Restricted to BMGT-Shady Grove Seniors majoring in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i> |                        |                   |

## BMGT454

### Global Marketing

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT350.*

*Marketing functions from the global executive's viewpoint, including coverage of global marketing policies relating to product adaptation, data collection and analysis, channels of distribution, pricing, communications and cost analysis. Consideration is given to the cultural, legal, financial and organizational aspects of global marketing.*

|   |                       |                   |
|---|-----------------------|-------------------|
| 0101  | Amna Khawaja          | Seats (Total: 40) |
|   | TuTh 3:30pm - 4:45pm  | VMH 1411          |
| <i>Restricted to BMGT majors with 72 credit hours completed.</i>  |                       |                   |
| SG91  | M Fardanesh           | Seats (Total: 40) |
|   | TuTh 12:30pm - 1:45pm | BLD3 4212         |
| <i>Restricted to BMGT-Shady Grove Seniors majoring in Marketing and International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i> |                       |                   |

## BMGT455

### Sales Management

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT350.*

*The roles of the sales executive as a planner, manager of resources and marketing functions and recruiter, trainer, motivator and leader of field sales personnel. Techniques and sequence of problem analysis for selling and sales management decisions and to the practical framework in which these decisions take place. Teaching vehicles feature strong classroom interactions, cases, journal articles, research findings, guest sales managers, debates, and modern company practices.*

Restricted to BMGT majors with 60 credit hours completed.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Kathleen Kelly        | Seats (Total: 40) |
|      | TuTh 9:30am - 10:45am | VMH 1418          |

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**BMGT457      Marketing Policies and Strategies**

Credits: 3                      Grading Method: Regular                      CORE: CS

*Prerequisite: BMGT350.*

*This capstone course ties together various marketing concepts using the fundamentals of strategic market planning as the framework. Application of these principles is accomplished by analyzing and discussing cases and by playing a marketing strategy computer simulation game. Analysis of current business articles to understand the link between theory and real-world problem solving.*

Restricted to Marketing majors with 100 credit hours completed.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Henry Boyd             | Seats (Total: 35) |
|      | TuTh 11:00am - 12:15pm | VMH 1307          |
| 0201 | Henry Boyd             | Seats (Total: 35) |
|      | TuTh 12:30pm - 1:45pm  | VMH 1307          |

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**BMGT458A      Special Topics in Marketing; Design and Innovation in Marketing**

(Perm req)

Credits: 3                      Grading Method: Regular

*Selected advanced topics in marketing.*

|   |                      |                   |
|---|----------------------|-------------------|
| FP01  | Mary Harms           | Seats (Total: 35) |
|   | TuTh 5:00pm - 6:15pm | VMH 1314          |
| <i>Restricted to students in the Strategic Design and Innovation Fellows program.</i> |                      |                   |

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**BMGT458B      Special Topics in Marketing; Design Applications in Marketing and Branding**

(Perm req)

Credits: 3                      Grading Method: Regular

*Selected advanced topics in marketing.*

|   |                   |                   |
|---|-------------------|-------------------|
| FP01  | Howard Bomstein   | Seats (Total: 35) |
|   | M 7:00pm - 9:40pm | VMH 1307          |
| <i>Restricted to students in the Strategic Design and Innovation Fellows program.</i> |                   |                   |

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**BMGT458I      Special Topics in Marketing; Organizational Communication in Italy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected advanced topics in marketing.*

**Contact department for information to register for this course.**

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**BMGT458J      Special Topics in Marketing; Strategic Overview of the Hospitality Industry**

(Perm req)

Credits: 3                      Grading Method: Regular

*Selected advanced topics in marketing.*

Restricted to students in the Smith School's Hospitality Business Program.

|      |                   |                   |
|------|-------------------|-------------------|
| FP01 | Patricia Stocker  | Seats (Total: 20) |
|      | M 5:30pm - 8:10pm | VMH 2509          |

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**BMGT458M      Special Topics in Marketing; Marketing for Non-profit Organizations**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected advanced topics in marketing.*

**Contact department for information to register for this course.**

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**BMGT458Q      Special Topics in Marketing; Computer Graphics Workshop**

Credits: 3                      Grading Method: Regular

*Selected advanced topics in marketing.*

|   |                   |                   |
|---|-------------------|-------------------|
| FP01  | Kelly Driver      | Seats (Total: 26) |
|   | W 7:00pm - 9:40pm | ATL 1410          |
| <i>Restricted to students in the Strategic Design and Innovation Fellows program.</i> |                   |                   |

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**BMGT458R      Special Topics in Marketing; Advanced Computer Graphics Workshop**

Credits: 3                      Grading Method: Regular

*Selected advanced topics in marketing.*

Restricted to students in the Strategic Design and Innovation Fellows program.

|      |                   |                   |
|------|-------------------|-------------------|
| FP01 | Kelly Driver      | Seats (Total: 17) |
|      | W 4:00pm - 6:40pm | ATL 1410          |

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**BMGT461****Entrepreneurship**

Credits: 3

Grading Method: Regular

General Education: DSSP

*Restriction: Must not have completed BMGT361. Credit only granted for: BMGT261, BMGT361, BMGT461, ENES460 or HLMN470.*

*Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business.*

|  |                    |                   |
|--|--------------------|-------------------|
| 0101   | Oliver Schlake     | Seats (Total: 20) |
|  | Tu 7:00pm - 9:40pm | VMH 1206          |
| <i>Restricted to BMGT majors with 72 credit hours completed. Non-majors should register for BMGT 461N.</i>   |                    |                   |
| SG91   | Oliver Schlake     | Seats (Total: 40) |
|  | Th 2:00pm - 4:40pm | BLD2 3062         |
| <i>Restricted to BMGT-Shady Grove Seniors majoring in Accounting, International Business, and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i> |                    |                   |

**BMGT461M****Entrepreneurship**

Credits: 3

Grading Method: Regular

General Education: DSSP

*Restriction: Must not have completed BMGT361. Credit only granted for: BMGT261, BMGT361, BMGT461, ENES460 or HLMN470.*

*Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business.*

Restricted to Innovation and Entrepreneurship Minors.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | David Kressler             | Seats (Total: 60) |
|      | TuTh 2:00pm - 3:15pm       | TWS 1100          |
|      | Class time/details on ELMs | ONLINE            |

**BMGT461N****Entrepreneurship**

Credits: 3

Grading Method: Regular

General Education: DSSP

*Restriction: Must not have completed BMGT361. Credit only granted for: BMGT261, BMGT361, BMGT461, ENES460 or HLMN470.*



*Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business.*

Open to all non-BMGT majors with 72 credit hours completed. BMGT majors should register for BMGT 461.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Oliver Schlake     | Seats (Total: 20) |
|      | Tu 7:00pm - 9:40pm | VMH 1206          |

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**BMGT463**      **Cross-cultural Challenges in Business**

Credits: 3                      Grading Method: Regular

*Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.*

*Examines in depth the nature of international cultural value-differences and their behavioral-related effects in the workplace. Topics include decision-making and leadership styles and reactions to various work assignments and reward structures.*

|  |                       |                   |
|--|-----------------------|-------------------|
| 0101   | Debra Shapiro         | Seats (Total: 45) |
|  | MW 2:00pm - 3:15pm    | VMH 1418          |
| <i>Restricted to International Business majors and Management majors with 72 credit hours completed.</i>   |                       |                   |
| SG91   | Debra Shapiro         | Seats (Total: 40) |
|  | TuTh 12:30pm - 1:45pm | BLD3 4216         |
| <i>Restricted to BMGT-Shady Grove Seniors majoring in Entrepreneurship Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i> |                       |                   |
| SG92   | Debra Shapiro         | Seats (Total: 40) |
|  | TuTh 2:00pm - 3:15pm  | BLD3 4216         |
| <i>Restricted to BMGT-Shady Grove Seniors Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i>                              |                       |                   |

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**BMGT463F**      **Cross-cultural Challenges in Business**

Credits: 3                      Grading Method: Regular

*Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.*

*Examines in depth the nature of international cultural value-differences and their behavioral-related effects in the workplace. Topics include decision-making and leadership styles and reactions to various work assignments and reward structures.*

Restricted to Global Fellows students only.

|      |                    |                   |
|------|--------------------|-------------------|
| FP01 | Patricia Cleveland | Seats (Total: 35) |
|      | Tu 5:00pm - 7:40pm | VMH 1518          |

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#### **BMGT465 Business Plan For The New Venture**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT461 or BMGT361.*

*Each student focuses on the production of a business plan that will be accepted for an annual business plan competition. Business plans of sufficient quality may be submitted to attract financing. Topics include a deep review of business construction and its derivative short forms.*

Registration is restricted to BMGT-Shady Grove Entrepreneurship majors with 86 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.

|   |                        |                   |
|---|------------------------|-------------------|
| SG91  | Oliver Schlake         | Seats (Total: 40) |
|   | TuTh 11:00am - 12:15pm | BLD2 3062         |
| <i>Restricted to BMGT-Shady Grove Seniors majoring in Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduation BMGT students are not eligible to enroll at Shady Grove.</i> |                        |                   |

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#### **BMGT466 Global Business Strategy**

Credits: 3                      Grading Method: Regular

*Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.*

*Focuses on the strategic challenges that directly result from and are associated with the globalization of industries and companies. Topics include drivers of industry globalization, difference between global and multi-domestic industry, global expansion strategies, sources of competitive advantage in a global context, and coordination of a company across a global network.*

Restricted to International Business majors and Management majors with 72 credit hours completed.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Mark Wellman       | Seats (Total: 45) |
|      | Th 6:00pm - 8:40pm | ESJ 1215          |

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#### **BMGT467 Strategic Innovation and Entrepreneurship**

Credits: 3                      Grading Method: Regular

*Credit only granted for: BMGT467, ENES463 or HLMN472.*

*Provides an understanding of how innovation affects the competitive dynamics of markets, how firms can strategically manage innovation, and how firms can create and implement strategies to maximize their likelihood of success.*

Restricted to Innovation and Entrepreneurship Minors.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Clarence Wesley      | Seats (Total: 60) |
|      | TuTh 2:00pm - 3:15pm | SYM 0200          |

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**BMGT468E      Special Topics in Management and Organization; Smith Store 2.0: Rebuilding an Onsite and Online Retail Experience**

Credits: 3                      Grading Method: Regular

*Selected advanced topics in management and organization.*

Restricted to BMGT majors with 30 credit hours completed.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Oliver Schlake    | Seats (Total: 30) |
|      | M 5:00pm - 7:40pm | VMH 1206          |

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**BMGT468V      Special Topics in Management and Organization; Business Models and Methods to Affect Social Change**

Credits: 3                      Grading Method: Regular

*Selected advanced topics in management and organization.*

|   |                      |                   |
|---|----------------------|-------------------|
| FP01  | David Kirsch         | Seats (Total: 35) |
|   | TuTh 2:00pm - 3:15pm | VMH 1520          |
| <i>Restricted to students in the Social Innovation Fellows program.</i> |                      |                   |

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**BMGT468Y      Special Topics in Management and Organization; Entrepreneurial Capitalism Around the World**

Credits: 3                      Grading Method: Regular

*Selected advanced topics in management and organization.*

Restricted to students with 60 credit hours completed.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Serguey Braguinsky   | Seats (Total: 60) |
|      | MW 11:00am - 12:15pm | SQH 1119          |

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**BMGT468Z      Special Topics in Management and Organization; Create the Future through Systems Thinking and Design**

Credits: 3                      Grading Method: Regular

*Selected advanced topics in management and organization.*

Restricted to students with 60 credit hours completed. Not open to students in the QUEST Honors program.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Gerald Suarez        | Seats (Total: 35) |
|      | MW 11:00am - 12:15pm | ESJ 2101          |

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**BMGT470      Carrier Management**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT370.*

*The study of the wide range of issues facing managers in transportation This includes decisions on market entry, pricing, competitive responses, service levels, marketing strategies, capital structure, and growth objectives. Specific management decisions and overall strategies pursued by management are examined.*

Restricted to Supply Chain Management majors.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Leland Gardner     | Seats (Total: 40) |
|      | MW 5:00pm - 6:15pm | VMH 1202          |

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**BMGT471F      Seminar in Supply Chain Management: An Executive Perspective**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT372. Formerly: BMGT488L and BMGT498L.*

*Designed to provide students intensive interaction with senior supply chain executives from a cross-section of industries. Executives will share their insights about leading competitive supply chains in the global marketplace and assist students in understanding how to develop supply chain career strategies. Students will research the competitive supply chain dynamics of each executive's industry and review/analyze their findings with the executive.*

Restricted to Supply Chain Management Fellows (FPLT).

|      |                             |                   |
|------|-----------------------------|-------------------|
| FP01 | Geoffrey Milsom, Dianne Fox | Seats (Total: 35) |
|      | M 6:30pm - 9:10pm           | VMH 1314          |

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**BMGT472      Purchasing and Inbound Logistics**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT372.*

*Analysis of the resupply activities of logistics management, including purchasing policies, transportation planning, and inventory control. Attention is directed toward total cost minimization and the establishment of a sustainable competitive advantage based on procurement.*

Restricted to Supply Chain Management majors only.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Philip Evers       | Seats (Total: 35) |
|      | MW 3:30pm - 4:45pm | VMH 1411          |

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### **BMGT476                      Technology Applications in Supply Chain Management**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT372.*

*An understanding of the role of technology in managing the supply chain Provides students with hands-on experience in advanced software systems that build on top of enterprise resource planning systems. Major emphasis is placed on demonstrating that these systems result in supply chain cost reductions and service improvements.*

Restricted to SCM and Information Systems majors.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Hongyi Zhang           | Seats (Total: 24) |
|      | TuTh 9:30am - 10:45am  | VMH 3522          |
| 0201 | Hongyi Zhang           | Seats (Total: 24) |
|      | TuTh 11:00am - 12:15pm | VMH 3522          |

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### **BMGT477                      International Supply Chain Management**

Credits: 3                      Grading Method: Regular

*The study of the importance of the supply chain management within a global context. Topics covered include: the structure, service, pricing and competitive relationships among international carriers and transport intermediaries as well as documentation, location decisions, international sourcing/distribution and management of inventory throughout the international supply chain.*

Restricted to SCM majors and International Business majors.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Koki Nagata         | Seats (Total: 40) |
|      | MW 12:30pm - 1:45pm | VMH 1336          |

|      |                                   |                               |
|------|-----------------------------------|-------------------------------|
| 0201 | Koki Nagata<br>MW 2:00pm - 3:15pm | Seats (Total: 40)<br>VMH 1336 |
| 0301 | Koki Nagata<br>MW 3:30pm - 4:45pm | Seats (Total: 40)<br>VMH 1307 |

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**BMGT484**
**Digital Marketing**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT350. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.*

*Examines the process of developing, implementing, and analyzing strategies for successfully marketing a variety of existing and potential products and services through digital means, including the web, social media, and mobile apps. Both the development and analysis of digital media for marketing will be discussed.*

Restricted to BMGT majors with 60 credit hours completed.

|      |                                      |   |
|------|--------------------------------------|---|
| 0101 | Mary Harms<br>TuTh 2:00pm - 3:15pm   | Seats (Total: 40)<br>VMH 3505<br><br><i>Restricted to BMGT majors with 60 credit hours completed.</i>   |
| 0201 | Mary Harms<br>TuTh 3:30pm - 4:45pm   | Seats (Total: 40)<br>VMH 3505<br><br><i>Restricted to BMGT majors with 60 credit hours completed.</i>   |
| SG91 | Elie Ashery<br>TuTh 9:30am - 10:45am | Seats (Total: 40)<br>BLD1 206<br><br><i>Restricted to BMGT-Shady Grove Seniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i> |

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**BMGT485**
**Project Management**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT231 or BMGT230; or students who have taken courses with comparable content may contact the department. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.*

*Modern project management techniques that are used by modern practicing professionals will be covered. Particular attention is given to the management of technology based systems and projects in a business enterprise. The topics covered include: defining project scope, alignment of projects with enterprise strategy, managing project cost, time and risks using tools such as CPM/PERT, and measuring project performance.*

Restricted to BMGT and QUEST students with 72 credits completed.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Hassan Ibrahim     | Seats (Total: 48) |
|      | MW 3:30pm - 4:45pm | VMH 1202          |

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**BMGT488A Special Topics in Logistics, Business, and Public Policy; Introduction to Sport Management**

Credits: 3                      Grading Method: Regular

*Selected advanced topics in logistics, business and public policy.*

Restricted to Sports Management Fellows (FPSM).

|      |                    |                   |
|------|--------------------|-------------------|
| FP01 | Timothy Heggans    | Seats (Total: 32) |
|      | Tu 7:00pm - 9:40pm | ESJ 2212          |

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**BMGT488F Special Topics in Logistics, Business, and Public Policy; Corporate Social Responsibility and Sustainable Business Practices**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected advanced topics in logistics, business and public policy.*

**Contact department for information to register for this course.**

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**BMGT488G Special Topics in Logistics, Business, and Public Policy; International Business Institute**

Credits: 3                      Grading Method: Regular

*Selected advanced topics in logistics, business and public policy.*

This accelerated course will focus on the opportunities/challenges of doing business in a globalized world, while providing insight into how students can leverage their international and cultural knowledge. Students will benefit from visits to companies, international organizations, and embassies and learn how a global mindset can provide an advantage in business.

|  |                   |                   |
|--|-------------------|-------------------|
| 0101   | Bennet Zelner     | Seats (Total: 20) |
|  | F 9:00am - 5:00pm | Location: TBA     |
| <i>Meets 9/1, 9/8, 9/22, 10/6, 10/13, 10/20, 11/3, 11/17, 12/1. Restricted to students with 60 credit hours completed.</i> |                   |                   |

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**BMGT488R Special Topics in Logistics, Business, and Public Policy; International Business Law**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected advanced topics in logistics, business and public policy.*

**Contact department for information to register for this course.**

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**BMGT488Y Special Topics in Logistics, Business, and Public Policy; Corporate and Social Responsibility and Sustainable Business Practices**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected advanced topics in logistics, business and public policy.*

**Contact department for information to register for this course.**

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**BMGT490H Quest Consulting and Innovation Practicum**

Credits: 4                      Grading Method: Regular                      General Education: DSSP

*Prerequisite: ENES390 or BMGT390. Also offered as: ENES490. Credit only granted for: BMGT490 or ENES490.*

*Final course in the QUEST Honors Fellows Program three-course curriculum. Based on a team-based consulting project with one of QUEST's professional partners. A project advisor and professional champion supervise each student team. Requires extensive out-of-class work.*

Restricted to Quest Program students.

|      |   |                   |
|------|---|-------------------|
| 0101 | Jeffrey Herrmann                              | Seats (Total: 45) |
|      | Tu 6:30pm - 9:10pm                            | HJP 2242          |
|      | Contact instructor or department for details. |                   |

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**BMGT491 Defining Consulting and Innovation Projects**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: BMGT190 or ENES190. Restriction: Restricted to QUEST Program (TQMP) students. Also offered as: ENES491. Credit only granted for: BMGT491, ENES491 or BMGT438D. Formerly: BMGT438D.*

*Cultivate relationships with new and current corporate partners and prepare project scopes for QUEST's capstone course, BMGT/ENES 490H. Requires independent work communicating with clients and class visits to a variety of potential project sites.*

Prerequisite: BMGT190H or ENES190H. Restricted to Quest. Also offered as ENES491.



|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Joseph Bailey        | Seats (Total: 12) |
|      | Tu 10:00am - 10:50am | VMH 4535          |
|      | F 10:00am - 11:40am  | VMH 4535          |

### **BMGT493H Honors Study**

(Perm req)

Credits: 3      Grading Method: Regular

*Restriction: Permission of BMGT-Robert H. Smith School of Business.*

*First semester of the senior year. The course is designed for honors students who have elected to conduct intensive study (independent or group). The student will work under the direct guidance of a faculty advisor and the Assistant Dean of Undergraduate Studies. They shall determine that the area of study is of a scope and intensity deserving of a candidate's attention. Formal written and/or oral reports on the study may be required by the faculty advisor.*

Restricted to BMGT Honors students.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Charles Olson     | Seats (Total: 35) |
|      | W 3:30pm - 6:10pm | VMH 1330          |

### **BMGT494H Honors Study**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BMGT493. Restriction: Permission of BMGT-Robert H. Smith School of Business; and must be in the Smith School Honors Fellows program.*

*Second semester of the senior year. The student shall continue and complete the research initiated in BMGT 493, additional reports may be required at the discretion of the faculty advisor and Assistant Dean of Undergraduate Studies.*

Restricted to BMGT Honors students.

|      |   |                   |
|------|---|-------------------|
| 0101 | Charles Olson                                 | Seats (Total: 25) |
|      | Contact instructor or department for details. |                   |

### **BMGT495 Strategic Management**

Credits: 3      Grading Method: Regular      CORE: CS      General Education: DSSP

*A case-based course where students learn to play the role of the "strategic manager" who defines the scope of its business operations and, within the chosen scope, how the firm will compete against rivals. This course focuses on how a firm can both formulate effective business-level and corporate-level strategies to achieve competitive advantage and earn above average profits.*

Restricted to BMGT students with 60 credit hours completed.

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Donna Howell<br>MW 9:30am - 10:45am      | Seats (Total: 35)<br>VMH 1314 |
| 0201 | Clarence Wesley<br>MW 11:00am - 12:15pm  | Seats (Total: 35)<br>VMH 1314 |
| 0301 | Clarence Wesley<br>MW 12:30pm - 1:45pm   | Seats (Total: 35)<br>VMH 1314 |
| 0401 | Evan Starr<br>MW 2:00pm - 3:15pm         | Seats (Total: 35)<br>VMH 1314 |
| 0501 | Evan Starr<br>MW 3:30pm - 4:45pm         | Seats (Total: 35)<br>VMH 1314 |
| 0601 | Donna Howell<br>MW 5:00pm - 6:15pm       | Seats (Total: 35)<br>VMH 1314 |
| 0701 | David Kressler<br>TuTh 11:00am - 12:15pm | Seats (Total: 35)<br>VMH 1314 |
| 0801 | Christina Elson<br>TuTh 12:30pm - 1:45pm | Seats (Total: 35)<br>VMH 1314 |
| 0901 | Paulo Prochno<br>TuTh 2:00pm - 3:15pm    | Seats (Total: 35)<br>VMH 1314 |
| 1001 | Melanie Cohen<br>TuTh 3:30pm - 4:45pm    | Seats (Total: 35)<br>VMH 1314 |
| 1101 | Paulo Prochno<br>TuTh 3:30pm - 4:45pm    | Seats (Total: 35)<br>ASY 3211 |
| 1201 | David Kressler<br>TuTh 9:30am - 10:45am  | Seats (Total: 35)<br>VMH 1314 |
| 1301 | Protiti Dastidar<br>MW 9:30am - 10:45am  | Seats (Total: 35)<br>VMH 1336 |

|      |  |                               |
|------|--|-------------------------------|
| 1401 | Protiti Dastidar<br>MW 11:00am - 12:15pm | Seats (Total: 35)<br>TWS 0214 |
| 1501 | Protiti Dastidar<br>MW 12:30pm - 1:45pm  | Seats (Total: 35)<br>TWS 0214 |

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**BMGT496 Business Ethics and Society**

Credits: 3                      Grading Method: Regular

*Prerequisite: 1 course in BMGT; or permission of BMGT-Robert H. Smith School of Business.*

*A study of the standards of business conduct, morals and values as well as the role of business in society with consideration of the sometimes conflicting interests of and claims on the firm and its objectives. Emphasizes a strategic approach by business to the management of its external environment.*

|      |   |   |
|------|---|---|
| 0101 | William McClenahan<br>TuTh 2:00pm - 3:15pm  | Seats (Total: 40)<br>VMH 1311<br><br><i>Restricted to BMGT majors with 53 credit hours completed.</i>   |
| SG91 | Jennifer Gershberg<br>TuTh 9:30am - 10:45am | Seats (Total: 40)<br>BLD2 3012<br><br><i>Restricted to BMGT-Shady Grove Seniors majoring in Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i> |

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**BMGT498A Special Topics in Business and Management; Financial Management for Hospitality Businesses**

(Perm req)

Credits: 3                      Grading Method: Regular

*Special topics in business and management designed to meet the changing needs and interests of students and faculty.*

Restricted to students in the Hospitality Business Program

|      |                                   |                               |
|------|-----------------------------------|-------------------------------|
| 0101 | Daryl Rhead<br>Th 7:00pm - 9:40pm | Seats (Total: 15)<br>VMH 1314 |
|------|-----------------------------------|-------------------------------|

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**BMGT498L Special Topics in Business and Management; Innovating the Higher Education Business Model**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics in business and management designed to meet the changing needs and interests of students and faculty.*

Innovative Scholars is a new program offering an elite group of students the opportunity to participate in the innovation of teaching and learning at Smith. In addition to completing normal teaching assistant activities, the Scholars will be responsible for designing and implementing improvements to an existing Smith course or program.

|      |   |                   |
|------|---|-------------------|
| 0101 | Jonathan Southgate                            | Seats (Total: 30) |
|      | Th 5:00pm - 6:50pm                            | VMH 1202          |
|      | Contact instructor or department for details. |                   |

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**BMGT499G      Advanced Business Topics; Maryland Social Entrepreneur Corps II**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Course will delve deeply into a specific business topic. Based on experience and knowledge from undergraduate core business classes, students will examine a particular subject from various angles.*

Also offered as AMST499D. Credit granted for BMGT499G or AMST499D. Restricted to students participating in the Maryland Social Entrepreneur Corps program. Participating students will be automatically enrolled in the course by Education Abroad. For more information about the program, please contact Jennifer Precht in Education Abroad (jprecht@umd.edu).

**Contact department for information to register for this course.**

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**BMGT808G      Special Topics in Information Systems; Applied Microeconomics**

Credits: 3                      Grading Method: Regular,  
Audit

*Special topics specific to the Information Systems doctoral field of study.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Kislaya Prasad      | Seats (Total: 12) |
|      | W 10:00am - 12:40pm | VMH 3332          |

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**BMGT808R      Special Topics in Information Systems; Research Seminar in Decision, Operations and Information Technologies**

Credits: 1                      Grading Method: Regular,  
Audit

*Special topics specific to the Information Systems doctoral field of study.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Sivakumar Viswanathan                         | Seats (Total: 12) |
|      | Contact instructor or department for details. |                   |

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**BMGT808V Special Topics in Information Systems; Research in Strategy and Information Systems I**

Credits: 2                      Grading Method: Regular,  
   Audit

*Special topics specific to the Information Systems doctoral field of study.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Peng Huang                                      | Seats (Total: 12) |
|      | <b>Meets August 28, 2017 - October 13, 2017</b> |                   |
|      | F 3:30pm - 6:30pm                               | VMH 2509          |

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**BMGT808W Special Topics in Information Systems; Research in Strategy and Information Systems II**

Credits: 2                      Grading Method: Regular,  
   Audit

*Special topics specific to the Information Systems doctoral field of study.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Ritu Agarwal                                      | Seats (Total: 12) |
|      | <b>Meets October 17, 2017 - December 11, 2017</b> |                   |
|      | Tu 10:30am - 1:40pm                               | VMH 4534          |

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**BMGT818G Special Topics in Accounting and Information Assurance; Seminar in Management Accounting**

Credits: 3                      Grading Method: Regular,  
   Audit

*Special topics specific to the Accounting and Information Assurance doctoral field of study.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Emanuel Zur        | Seats (Total: 12) |
|      | W 9:30am - 12:00pm | VMH 1326          |

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**BMGT818N Special Topics in Accounting and Information Assurance; Workshop in Accounting Research**

Credits: 1                      Grading Method: Regular,  
   Audit

*Special topics specific to the Accounting and Information Assurance doctoral field of study.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Musa Subasi         | Seats (Total: 10) |
|      | F 10:00am - 10:50am | VMH 4335          |

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**BMGT828 Independent Study in Business and Management**

Credits: 1-9

Grading Method: Regular

**Contact department for information to register for this course.**

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**BMGT830      Operations Research: Linear Programming**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: MATH240; or students who have taken courses with comparable content may contact the department; or permission of BMGT-Robert H. Smith School of Business.*

*Concepts and applications of linear programming models, theoretical development of the simplex algorithm, and primal-dual problems and theory.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Raghu Raghavan     | Seats (Total: 25) |
|      | MW 2:00pm - 3:15pm | VMH 2505          |

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**BMGT836      Applied Regression Models**

Credits: 3      Grading Method: Regular,  
Audit

*Recommended: It is assumed that the student has taken a first course in statistics and is familiar with the content of such course including interval estimation and hypothesis testing.*

*An introduction to regression models used in business research. Topics include: simple and multiple regression, diagnostics for checking model adequacy, transformations, polynomial models, indicator variables, multicollinearity, variable selection, times series data, generalized linear models, implementation using statistical software, and application to research questions.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Courtney Paulson    | Seats (Total: 12) |
|      | Tu 9:00am - 11:30am | VMH 3330H         |

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**BMGT838R      Special Topics in Operations Management/Management Science; Research Seminar in Decision, Operations and Information Technologies**

Credits: 1      Grading Method: Regular,  
Audit

*Special topics specific to the Operations Management/Management Science doctoral field of study.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Zhi-Long Chen                                 | Seats (Total: 12) |
|      | Contact instructor or department for details. |                   |

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**BMGT840      Seminar in Financial Theory**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Permission of BMGT-Robert H. Smith School of Business.*

*Seminar in selected classic and current theoretical and empirical research in the foundations of finance.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Yajun Wang          | Seats (Total: 12) |
|      | Tu 9:00am - 11:40am | VMH 3332          |

**BMGT848A Special Topics in Finance; Financial Research Methods**

Credits: 1      Grading Method: Regular, Audit

*Special topics specific to the Finance doctoral field of study.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Laurent Fresard                                 | Seats (Total: 12) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                   |
|      | MW 10:00am - 12:00pm                            | VMH 4535          |

**BMGT848F Special Topics in Finance; Workshop in Finance Research**

Credits: 1      Grading Method: Regular,  
Audit

*Special topics specific to the Finance doctoral field of study.*

|      |                                   |                   |
|------|-----------------------------------|-------------------|
| 0101 | William Mullins, Shrihari Santosh | Seats (Total: 12) |
|      | F 9:00am - 12:00pm                | VMH 1333          |

**BMGT858C Special Topics in Marketing; Consumer Behavior**

Credits: 3      Grading Method: Regular,  
Audit

*Special topics specific to the Marketing doctoral field of study.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Amna Khawaja      | Seats (Total: 12) |
|      | W 1:30pm - 4:10pm | VMH 2509          |

**BMGT858P Special Topics in Marketing; Marketing Models**

Credits: 3      Grading Method: Regular,  
Audit

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Pallassana Kannan | Seats (Total: 12) |
|      | M 1:30pm - 4:10pm | VMH 2509          |

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Pallassana Kannan   | Seats (Total: 12) |
|      | F 10:00am - 12:30pm | VMH 1330          |

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Subrahmaniam Tangirala | Seats (Total: 10) |
|      | W 11:00am - 12:30pm    | VMH 2509          |

|      |   |                   |
|------|---|-------------------|
| 0101 | Debra Shapiro                                   | Seats (Total: 12) |
|      | <b>Meets August 28, 2017 - October 13, 2017</b> |                   |
|      | M 10:00am - 1:50pm                              | VMH 4534          |

Credits: 2      Grading Method: Regular,  
Audit



Restricted to OBHR and SM&E majors. Meets 9am-12:35pm 8/14, 8/18, 8/22, 8/24, 8/29, 9/19, 9/26.

|   |            |                   |
|---|------------|-------------------|
| 0101  | Gilad Chen | Seats (Total: 12) |
| <b>Meets August 14, 2017 - September 26, 2017</b> |            |                   |
| Contact instructor or department for details.     |            |                   |

**BMGT868W Special Topics in Organizational Behavior/Human Resource Management; Work Motivation**

Credits: 2      Grading Method: Regular,  
Audit

*Special topics specific to the Organizational Behavior/Human Resource Management doctoral field of study.*

Meets 10/23, 10/30, 11/6, 11/13, 11/20, 11/27, 12/11.

|      |   |                   |
|------|---|-------------------|
| 0101 | Gilad Chen  | Seats (Total: 12) |
|      | <b>Meets October 23, 2017 - December 11, 2017</b> |                   |
|      | M 9:00am - 12:35pm                                | VMH 4534          |

**BMGT868Y Special Topics in Organizational Behavior/Human Resource Management; Micro-Topics in Human Resources**

Credits: 2      Grading Method: Regular,  
Audit

*Special topics specific to the Organizational Behavior/Human Resource Management doctoral field of study.*

Meets 1-5:10pm on 11/15, 11/29, 12/4, 12/6, 12/13, 12/16.

|  |             |                   |
|--|-------------|-------------------|
| 0101   | Mary Taylor | Seats (Total: 12) |
| <b>Meets November 15, 2017 - December 16, 2017</b> |             |                   |
| Contact instructor or department for details.      |             |                   |

**BMGT878C Special Topics in Strategic Management and Entrepreneurship; Cross Disciplinary Workshop**

Credits: 1      Grading Method: Regular,  
Audit

*Special topics specific to the Strategic Management and Entrepreneurship doctoral field of study.*

|      |                              |                   |
|------|------------------------------|-------------------|
| 0101 | Cristian Dezso, Waverly Ding | Seats (Total: 12) |
|      | Th 11:00am - 12:30pm         | VMH 2505          |

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**BMGT878F      Special Topics in Strategic Management and Entrepreneurship; Sociological Foundations**

Credits: 2                      Grading Method: Regular,  
   Audit

*Special topics specific to the Strategic Management and Entrepreneurship doctoral field of study.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Waverly Ding                                      | Seats (Total: 12) |
|      | <b>Meets October 23, 2017 - December 11, 2017</b> |                   |
|      | W 1:00pm - 4:50pm                                 | VMH 4534          |

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**BMGT878P      Special Topics in Strategic Management and Entrepreneurship; Strategy and Entrepreneurship PhD Presentations**

Credits: 1                      Grading Method: Regular,  
   Audit

*Special topics specific to the Strategic Management and Entrepreneurship doctoral field of study.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Rajshree Tronetti   | Seats (Total: 12) |
|      | Th 9:15am - 10:45am | VMH 2505          |

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**BMGT878R      Special Topics in Strategic Management and Entrepreneurship; Strategy and Entrepreneurship Research Methods Foundation**

Credits: 2                      Grading Method: Regular,  
   Audit

*Special topics specific to the Strategic Management and Entrepreneurship doctoral field of study.*

|      |   |                   |
|------|---|-------------------|
| 0101 | David Waguespack                                  | Seats (Total: 12) |
|      | <b>Meets October 23, 2017 - December 11, 2017</b> |                   |
|      | Tu 9:00am - 12:35pm                               | VMH 4335          |

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**BMGT878T      Special Topics in Strategic Management and Entrepreneurship; Organizational Theory**

Credits: 2                      Grading Method: Regular,  
   Audit

*Special topics specific to the Strategic Management and Entrepreneurship doctoral field of study.*

|      |   |                   |
|------|---|-------------------|
| 0101 | David Kirsch                                    | Seats (Total: 12) |
|      | <b>Meets August 28, 2017 - October 13, 2017</b> |                   |
|      | W 1:00pm - 4:35pm                               | VMH 4534          |

**BMGT878X Special Topics in Strategic Management and Entrepreneurship; The Best Methods Course Ever, Really**

Credits: 4      Grading Method: Regular, Audit

*Special topics specific to the Strategic Management and Entrepreneurship doctoral field of study.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Brent Goldfarb, Evan Starr | Seats (Total: 12) |
|      | W 9:00am - 12:35pm         | VMH 4534          |

**BMGT888L      Special Topics in Supply Chain Management; Logistics Research**

Credits: 3      Grading Method: Regular

*Special topics specific to the Supply Chain Management doctoral field of study.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Martin Dresner     | Seats (Total: 12) |
|      | M 9:00am - 11:40am | VMH 3332          |

**BMGT888W Special Topics in Supply Chain Management; Workshop in Supply Chain Management**

Credits: 1      Grading Method: Regular

*Special topics specific to the Supply Chain Management doctoral field of study.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Martin Dresner    | Seats (Total: 12) |
|      | F 1:00pm - 2:30pm | VMH 3332          |

**BMGT888Y Special Topics in Supply Chain Management; Supply Chain Research Within Strategy**

Credits: 3      Grading Method: Regular

*Special topics specific to the Supply Chain Management doctoral field of study.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Curtis Grimm       | Seats (Total: 12) |
|      | Th 2:00pm - 4:40pm | VMH 3332          |

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**BMGT898**      **Pre-Candidacy Research**  
Credits: 1-8      Grading Method: Regular  
**Contact department for information to register for this course.**

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**BMGT899**      **Doctoral Dissertation Research**  
(Perm req)      Credits: 6      Grading Method: Regular  
**Contact department for information to register for this course.**

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## **BSCI**      **Biological Sciences Program**      **Fall 2017**

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**BSCI121**      **Beekeeping**

Credits: 2      Grading Method: Regular,  
Pass-Fail, Audit

*Additional information: Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry.*

*A study of the life history, behavior and seasonal activities of the honeybee, its place in pollination of flowers with emphasis on plants of economic importance and bee lore in literature.*

The lab meets frequently at the greenhouse and due to possible inclement weather has an alternative lab meeting on Thursdays at the same time. Students should plan their schedule to allow sufficient travel time to and from the greenhouse.

|      |                            |                   |
|------|----------------------------|-------------------|
| BL01 | Dennis vanEngelsdorp       | Seats (Total: 36) |
|      | Class time/details on ELMs | ONLINE            |
|      | Tu 9:30am - 10:45am        | PLS 1119      Lab |

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**BSCI126**      **Pollinators in Crisis**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: LS      General Education: DSNS,  
SCIS

*We will dissect the pollinator crisis, and in the process learn about insects, about the interaction of organisms in complex ecosystems, and about the human-nature interface. Students will work in groups that specialize in an aspect of pollinator biology and their challenges. Instruction will target methods for collecting information, interpretation of scientific information and the professional presentation of findings.*

|      |                      |                          |
|------|----------------------|--------------------------|
| 0101 | David Hawthorne      | Seats (Total: 20)        |
|      | TuTh 8:00am - 9:15am | PLS 1140                 |
|      | Tu 9:30am - 10:20am  | PLS 1161      Discussion |

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0102 | David Hawthorne      | Seats (Total: 20) |            |
|      | TuTh 8:00am - 9:15am | PLS 1140          |            |
|      | Tu 11:00am - 11:50am | PLS 1161          | Discussion |
| 0103 | David Hawthorne      | Seats (Total: 20) |            |
|      | TuTh 8:00am - 9:15am | PLS 1140          |            |
|      | Th 9:30am - 10:20am  | PLS 1161          | Discussion |
| 0104 | David Hawthorne      | Seats (Total: 20) |            |
|      | TuTh 8:00am - 9:15am | PLS 1140          |            |
|      | Th 11:00am - 11:50am | PLS 1161          | Discussion |

### BSCI135      **Amazing Green: Plants that Transformed the World**

Credits: 4      Grading Method: Regular, Pass-Fail, Audit      CORE: LL      General Education: DSNL, SCIS

*An interactive way to learn about plants and science, focusing on how plants have changed human history, the biology of their growth, and the science behind their use.*

Students must pay a \$40.00 laboratory materials fee.

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0101 | Edgar Moctezuma       | Seats (Total: 24) |     |
|      | TuTh 9:30am - 10:45am | HJP 0226          |     |
|      | M 12:30pm - 2:30pm    | HJP 3237          | Lab |
| 0102 | Edgar Moctezuma       | Seats (Total: 24) |     |
|      | TuTh 9:30am - 10:45am | HJP 0226          |     |
|      | Tu 12:00pm - 2:00pm   | HJP 3237          | Lab |
| 0103 | Edgar Moctezuma       | Seats (Total: 24) |     |
|      | TuTh 9:30am - 10:45am | HJP 0226          |     |
|      | W 12:30pm - 2:30pm    | HJP 3237          | Lab |
| 0104 | Edgar Moctezuma       | Seats (Total: 24) |     |
|      | TuTh 9:30am - 10:45am | HJP 0226          |     |
|      | Th 12:30pm - 2:30pm   | HJP 3237          | Lab |

### BSCI160      **Principles of Ecology and Evolution**

Credits: 3      Grading Method: Regular      General Education: DSNL (if taken with BSCI161), DSNS

*Prerequisite: Must have math eligibility of MATH120 or higher. Restriction: For Science Majors. Credit only granted for: BSCI106 or BSCI160. Formerly: BSCI106.*

*Basic principles of biology with special emphasis on ecological and evolutionary biology.*

|      |   |                                |
|------|---|--------------------------------|
| 6101 | Marcia Shofner<br>TuTh 9:30am - 10:45am | Seats (Total: 142)<br>ESJ 1224 |
| 6201 | Marcia Shofner<br>TuTh 12:30pm - 1:45pm | Seats (Total: 142)<br>ESJ 1224 |
| 6301 | Leo Shapiro<br>TuTh 2:00pm - 3:15pm     | Seats (Total: 142)<br>HJP 0226 |
| 6401 | Alys Jarvela<br>MWF 11:00am - 11:50am   | Seats (Total: 135)<br>BPS 1250 |

## BSCI161

### Principles of Ecology and Evolution Lab

Credits: 1      Grading Method: Regular

*Prerequisite: Must have math eligibility of MATH120 or higher. Corequisite: BSCI160. Restriction: For Science majors.*

*Basic laboratory principles of biology with special emphasis on ecological and evolutionary biology.*

Students must pay a \$40.00 laboratory materials fee.

|      |                                    |  |
|------|------------------------------------|--|
| 6104 | Leo Shapiro<br>M 11:00am - 1:50pm  | Seats (Total: 24)<br>HJP 3211      Lab |
| 6105 | Leo Shapiro<br>M 11:00am - 1:50pm  | Seats (Total: 24)<br>HJP 3217      Lab |
| 6110 | Leo Shapiro<br>M 5:00pm - 7:50pm   | Seats (Total: 24)<br>HJP 3211      Lab |
| 6111 | Leo Shapiro<br>M 5:00pm - 7:50pm   | Seats (Total: 24)<br>HJP 3217      Lab |
| 6204 | Leo Shapiro<br>Tu 11:00am - 1:50pm | Seats (Total: 24)<br>HJP 3211      Lab |

|      |  |                               |     |
|------|--|-------------------------------|-----|
| 6205 | Leo Shapiro<br>Tu 11:00am - 1:50pm   | Seats (Total: 24)<br>HJP 3217 | Lab |
| 6211 | Leo Shapiro<br>Tu 5:00pm - 7:50pm  | Seats (Total: 24)<br>HJP 3217 | Lab |
| 6304 | Leo Shapiro<br>W 11:00am - 1:50pm  | Seats (Total: 24)<br>HJP 3211 | Lab |
| 6305 | Leo Shapiro<br>W 11:00am - 1:50pm  | Seats (Total: 23)<br>HJP 3217 | Lab |
| 6307 | Leo Shapiro<br>W 2:00pm - 4:50pm<br><br><i>This section is restricted to BioFire students.</i> | Seats (Total: 24)<br>HJP 3211 | Lab |
| 6401 | Leo Shapiro<br>Th 8:00am - 10:50am   | Seats (Total: 24)<br>HJP 3211 | Lab |
| 6405 | Leo Shapiro<br>Th 11:00am - 1:50pm   | Seats (Total: 24)<br>HJP 3217 | Lab |
| 6408 | Leo Shapiro<br>Th 2:00pm - 4:50pm  | Seats (Total: 24)<br>HJP 3217 | Lab |
| 6410 | Leo Shapiro<br>Th 5:00pm - 7:50pm  | Seats (Total: 24)<br>HJP 3211 | Lab |

## BSCI161C

### Principles of Ecology and Evolution Lab

Credits: 1

Grading Method: Regular

*Prerequisite: Must have math eligibility of MATH120 or higher. Corequisite: BSCI160. Restriction: For Science majors.*

*Basic laboratory principles of biology with special emphasis on ecological and evolutionary biology.*

|      |                                  |                               |     |
|------|----------------------------------|-------------------------------|-----|
| 6108 | Leo Shapiro<br>M 2:00pm - 4:50pm | Seats (Total: 24)<br>HJP 3217 | Lab |
|------|----------------------------------|-------------------------------|-----|

|      |   |                                      |
|------|---|--------------------------------------|
| 6207 | Leo Shapiro<br>Tu 2:00pm - 4:50pm<br><i>Restricted to BioFire students.</i> | Seats (Total: 24)<br>HJP 3211<br>Lab |
| 6210 | Leo Shapiro<br>Tu 5:00pm - 7:50pm   | Seats (Total: 24)<br>HJP 3211<br>Lab |
| 6308 | Leo Shapiro<br>W 2:00pm - 4:50pm  | Seats (Total: 24)<br>HJP 3217<br>Lab |
| 6404 | Leo Shapiro<br>Th 11:00am - 1:50pm  | Seats (Total: 24)<br>HJP 3211<br>Lab |
| 6407 | Leo Shapiro<br>Th 2:00pm - 4:50pm   | Seats (Total: 24)<br>HJP 3211<br>Lab |

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## **BSCI161S Principles of Ecology and Evolution Lab**

Credits: 1                      Grading Method: Regular

*Prerequisite: Must have math eligibility of MATH120 or higher. Corequisite: BSCI160. Restriction: For Science majors.*

*Basic laboratory principles of biology with special emphasis on ecological and evolutionary biology.*

Students without the math pre-requisite will be administratively dropped. (Sponsoring Dept.: BSCI).  
Restricted to College Park Scholars - Life Sciences. Students must pay a \$40.00 laboratory materials fee.

|      |                                   |                                      |
|------|-----------------------------------|--------------------------------------|
| 6107 | Leo Shapiro<br>M 2:00pm - 4:50pm  | Seats (Total: 24)<br>HJP 3211<br>Lab |
| 6208 | Leo Shapiro<br>Tu 2:00pm - 4:50pm | Seats (Total: 24)<br>HJP 3217<br>Lab |
| 6411 | Leo Shapiro<br>Th 5:00pm - 7:50pm | Seats (Total: 24)<br>HJP 3217<br>Lab |

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## **BSCI170 Principles of Molecular & Cellular Biology**

Credits: 3                      Grading Method: Regular

General Education: DSNL (if  
taken with BSCI171), DSNS



*Prerequisite: Must have math eligibility of MATH120 or higher. Recommended: For Science majors. Credit only granted for: BSCI105 or BSCI170. Formerly: BSCI105.*

*Basic principles of biology with special emphasis on cellular and molecular biology.*

|      |  |                                |
|------|--|--------------------------------|
| 0101 | Michael Keller, Patricia Shields<br>MWF 9:00am - 9:50am  | Seats (Total: 160)<br>ESJ 0224 |
| 0201 | Michael Keller, Patricia Shields<br>MWF 11:00am - 11:50am  | Seats (Total: 130)<br>ESJ 1224 |
| 0301 | Michael Keller, Patricia Shields<br>MWF 12:00pm - 12:50pm  | Seats (Total: 170)<br>ESJ 0224 |
| 0401 | David Kirschtel<br>TuTh 3:00pm - 4:15pm  | Seats (Total: 160)<br>MMH 1400 |
| FC01 | Michael Keller<br>MW 4:30pm - 5:45pm<br><i>Restricted to students in Freshmen Connection</i>                             | Seats (Total: 138)<br>JMZ 0220 |
| SEF1 | James Snizek<br>Tu 6:00pm - 8:50pm<br><i>Restricted to students in the SIE Program. Click here for more information.</i> | Seats (Total: 30)<br>PLS 1130  |

## **BSCI171 Principles of Molecular & Cellular Biology Laboratory**

Credits: 1      Grading Method: Regular

*Prerequisite: Must have math eligibility of MATH120 or higher. Corequisite: BSCI170. Recommended: For Science majors.*

*Basic laboratory principles of biology with special emphasis on cellular and molecular biology.*

Students must pay a \$40.00 laboratory materials fee.

|      |                                       |  |
|------|---------------------------------------|--|
| 1021 | David Kirschtel<br>M 11:00am - 1:50pm | Seats (Total: 24)<br>HJP 1226      Lab |
| 1031 | David Kirschtel<br>M 2:00pm - 4:50pm  | Seats (Total: 24)<br>HJP 1226      Lab |

|      |  |                               |     |
|------|--|-------------------------------|-----|
| 1032 | David Kirschtel<br>M 2:00pm - 4:50pm   | Seats (Total: 24)<br>HJP 1235 | Lab |
| 1033 | David Kirschtel<br>M 2:00pm - 4:50pm   | Seats (Total: 24)<br>HJP 1236 | Lab |
| 2021 | David Kirschtel<br>Tu 11:00am - 1:50pm | Seats (Total: 24)<br>HJP 1226 | Lab |
| 2022 | David Kirschtel<br>Tu 11:00am - 1:50pm | Seats (Total: 24)<br>HJP 1235 | Lab |
| 2023 | David Kirschtel<br>Tu 11:00am - 1:50pm | Seats (Total: 24)<br>HJP 1236 | Lab |
| 2031 | David Kirschtel<br>Tu 2:00pm - 4:50pm  | Seats (Total: 24)<br>HJP 1226 | Lab |
| 2032 | David Kirschtel<br>Tu 2:00pm - 4:50pm  | Seats (Total: 24)<br>HJP 1235 | Lab |
| 3021 | David Kirschtel<br>W 11:00am - 1:50pm  | Seats (Total: 24)<br>HJP 1226 | Lab |
| 3022 | David Kirschtel<br>W 11:00am - 1:50pm  | Seats (Total: 24)<br>HJP 1235 | Lab |
| 3031 | David Kirschtel<br>W 2:00pm - 4:50pm   | Seats (Total: 24)<br>HJP 1226 | Lab |
| 3032 | David Kirschtel<br>W 2:00pm - 4:50pm   | Seats (Total: 24)<br>HJP 1235 | Lab |
| 3033 | David Kirschtel<br>W 2:00pm - 4:50pm   | Seats (Total: 24)<br>HJP 1236 | Lab |
| 3041 | David Kirschtel<br>W 6:00pm - 8:50pm   | Seats (Total: 24)<br>HJP 1226 | Lab |
| 4021 | David Kirschtel<br>Th 11:00am - 1:50pm | Seats (Total: 24)<br>HJP 1226 | Lab |

|      |  |                               |     |
|------|--|-------------------------------|-----|
| 4022 | David Kirschtel<br>Th 11:00am - 1:50pm   | Seats (Total: 24)<br>HJP 1235 | Lab |
| 4023 | David Kirschtel<br>Th 11:00am - 1:50pm   | Seats (Total: 24)<br>HJP 1236 | Lab |
| 4031 | David Kirschtel<br>Th 2:00pm - 4:50pm  | Seats (Total: 24)<br>HJP 1226 | Lab |
| 4032 | David Kirschtel<br>Th 2:00pm - 4:50pm  | Seats (Total: 24)<br>HJP 1235 | Lab |
| 4033 | David Kirschtel<br>Th 2:00pm - 4:50pm  | Seats (Total: 24)<br>HJP 1236 | Lab |
| 4041 | David Kirschtel<br>Th 6:00pm - 8:50pm  | Seats (Total: 24)<br>HJP 1235 | Lab |
| 4043 | David Kirschtel<br>Th 6:00pm - 8:50pm  | Seats (Total: 24)<br>HJP 1236 | Lab |
| FC2N | David Kirschtel<br>M 6:00pm - 8:50pm<br><br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 23)<br>HJP 1235 | Lab |
| FC2O | David Kirschtel<br>M 6:00pm - 8:50pm<br><br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 23)<br>HJP 1236 | Lab |
| FC4N | David Kirschtel<br>W 6:00pm - 8:50pm<br><br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 23)<br>HJP 1235 | Lab |
| FC5A | David Kirschtel<br>F 8:00am - 10:50am<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 23)<br>HJP 1226 | Lab |
| FC5B | David Kirschtel<br>F 8:00am - 10:50am<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 23)<br>HJP 1235 | Lab |

|      |  |                   |     |
|------|--|-------------------|-----|
| FC5C | David Kirschtel  | Seats (Total: 23) |     |
|      | F 8:00am - 10:50am   | HJP 1236          | Lab |
|      | <i>Restricted to students in Freshmen Connection.</i>  |                   |     |
| SEF1 | David Kirschtel  | Seats (Total: 23) |     |
|      | Th 6:00pm - 8:50pm   | HJP 1226          | Lab |
|      | <i>Restricted to students in the SIE Program. <a href="#">Click here for more information.</a></i> |                   |     |

## BSCI201

### Human Anatomy and Physiology I

Credits: 4      Grading Method: Regular, Pass-Fail, Audit      CORE: LL      General Education: DSNL

*Prerequisite: BSCI170 and BSCI171; or BSCI105; or students who have taken courses with comparable content may contact the department.*

*Anatomy and physiology of the skeletal, muscular, neural, endocrine, and sensory systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry.*

Not acceptable for credit in any Biological Sciences major. (Sponsoring Dept.: BIOL). Students must pay a \$40.00 laboratory materials fee.

|      |                                    |                   |     |
|------|------------------------------------|-------------------|-----|
| 0101 | Justicia Opoku-Edusei, Caitlin Fox | Seats (Total: 24) |     |
|      | MWF 12:00pm - 12:50pm              | BRB 1101          |     |
|      | M 9:00am - 11:50am                 | BPS 0205          | Lab |
| 0102 | Justicia Opoku-Edusei, Caitlin Fox | Seats (Total: 24) |     |
|      | MWF 12:00pm - 12:50pm              | BRB 1101          |     |
|      | M 4:00pm - 6:50pm                  | BPS 0205          | Lab |
| 0103 | Caitlin Fox, Justicia Opoku-Edusei | Seats (Total: 24) |     |
|      | MWF 12:00pm - 12:50pm              | BRB 1101          |     |
|      | Tu 8:00am - 10:50am                | BPS 0205          | Lab |
| 0104 | Justicia Opoku-Edusei, Caitlin Fox | Seats (Total: 24) |     |
|      | MWF 12:00pm - 12:50pm              | BRB 1101          |     |
|      | Tu 11:00am - 1:50pm                | BPS 0205          | Lab |
| 0105 | Justicia Opoku-Edusei, Caitlin Fox | Seats (Total: 24) |     |
|      | MWF 12:00pm - 12:50pm              | BRB 1101          |     |
|      | Tu 6:00pm - 8:50pm                 | BPS 0205          | Lab |

|      |  |   |     |
|------|--|---|-----|
| 0106 | Justicia Opoku-Edusei, Caitlin Fox<br>MWF 12:00pm - 12:50pm<br>W 4:00pm - 6:50pm   | Seats (Total: 24)<br>BRB 1101<br>BPS 0205 | Lab |
| 0107 | Caitlin Fox, Justicia Opoku-Edusei<br>MWF 12:00pm - 12:50pm<br>W 7:00pm - 9:50pm   | Seats (Total: 24)<br>BRB 1101<br>BPS 0205 | Lab |
| 0108 | Caitlin Fox, Justicia Opoku-Edusei<br>MWF 12:00pm - 12:50pm<br>Th 11:00am - 1:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0205 | Lab |
| 0109 | Caitlin Fox, Justicia Opoku-Edusei<br>MWF 12:00pm - 12:50pm<br>M 9:00am - 11:50am  | Seats (Total: 24)<br>BRB 1101<br>BPS 0275 | Lab |
| 0110 | Caitlin Fox, Justicia Opoku-Edusei<br>MWF 12:00pm - 12:50pm<br>M 4:00pm - 6:50pm   | Seats (Total: 24)<br>BRB 1101<br>BPS 0275 | Lab |
| 0111 | Justicia Opoku-Edusei, Caitlin Fox<br>MWF 12:00pm - 12:50pm<br>Tu 11:00am - 1:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0275 | Lab |
| 0112 | Caitlin Fox, Justicia Opoku-Edusei<br>MWF 12:00pm - 12:50pm<br>Tu 5:00pm - 7:50pm  | Seats (Total: 24)<br>BRB 1101<br>BPS 0275 | Lab |
| 1101 | Sara Lombardi, Caitlin Fox<br>TuTh 12:30pm - 1:45pm<br>M 1:00pm - 3:50pm           | Seats (Total: 24)<br>ESJ 0224<br>BPS 0205 | Lab |
| 1102 | Sara Lombardi, Caitlin Fox<br>TuTh 12:30pm - 1:45pm<br>M 7:00pm - 9:50pm           | Seats (Total: 24)<br>ESJ 0224<br>BPS 0205 | Lab |
| 1103 | Sara Lombardi, Caitlin Fox<br>TuTh 12:30pm - 1:45pm<br>Tu 2:00pm - 4:50pm          | Seats (Total: 24)<br>ESJ 0224<br>BPS 0205 | Lab |

|      |  |   |     |
|------|--|---|-----|
| 1104 | Sara Lombardi, Caitlin Fox<br>TuTh 12:30pm - 1:45pm<br>W 9:00am - 11:50am  | Seats (Total: 24)<br>ESJ 0224<br>BPS 0205 | Lab |
| 1105 | Sara Lombardi, Caitlin Fox<br>TuTh 12:30pm - 1:45pm<br>W 1:00pm - 3:50pm   | Seats (Total: 24)<br>ESJ 0224<br>BPS 0205 | Lab |
| 1106 | Caitlin Fox, Sara Lombardi<br>TuTh 12:30pm - 1:45pm<br>Th 8:00am - 10:50am | Seats (Total: 24)<br>ESJ 0224<br>BPS 0205 | Lab |
| 1107 | Sara Lombardi, Caitlin Fox<br>TuTh 12:30pm - 1:45pm<br>Th 2:00pm - 4:50pm  | Seats (Total: 24)<br>ESJ 0224<br>BPS 0205 | Lab |
| 1108 | Sara Lombardi, Caitlin Fox<br>TuTh 12:30pm - 1:45pm<br>Th 6:00pm - 8:50pm  | Seats (Total: 24)<br>ESJ 0224<br>BPS 0205 | Lab |
| 1109 | Caitlin Fox, Sara Lombardi<br>TuTh 12:30pm - 1:45pm<br>M 1:00pm - 3:50pm   | Seats (Total: 24)<br>ESJ 0224<br>BPS 0275 | Lab |
| 1110 | Sara Lombardi, Caitlin Fox<br>TuTh 12:30pm - 1:45pm<br>Tu 2:00pm - 4:50pm  | Seats (Total: 24)<br>ESJ 0224<br>BPS 0275 | Lab |

## BSCI202

### Human Anatomy and Physiology II

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCI201; or permission of CMNS-Biology department.*

*Anatomy and physiology of the cardiovascular, respiratory, immune, digestive, urinary and reproductive systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry.*

Students must pay a \$40.00 laboratory materials fee.

|      |  |   |     |
|------|--|---|-----|
| 0101 | Caitlin Fox, Tammatha O'Brien<br>TuTh 8:00am - 9:15am<br>M 11:00am - 1:50pm  | Seats (Total: 24)<br>ESJ 0224<br>BPS 0201 | Lab |
| 0102 | Tammatha O'Brien, Caitlin Fox<br>TuTh 8:00am - 9:15am<br>Tu 9:30am - 12:20pm | Seats (Total: 24)<br>ESJ 0224<br>BPS 0201 | Lab |
| 0105 | Caitlin Fox, Tammatha O'Brien<br>TuTh 8:00am - 9:15am<br>Tu 1:00pm - 3:50pm  | Seats (Total: 24)<br>ESJ 0224<br>BPS 0201 | Lab |
| 0106 | Tammatha O'Brien, Caitlin Fox<br>TuTh 8:00am - 9:15am<br>Tu 7:00pm - 9:50pm  | Seats (Total: 24)<br>ESJ 0224<br>BPS 0201 | Lab |
| 0109 | Tammatha O'Brien, Caitlin Fox<br>TuTh 8:00am - 9:15am<br>W 2:00pm - 4:50pm   | Seats (Total: 24)<br>ESJ 0224<br>BPS 0201 | Lab |
| 0110 | Caitlin Fox, Tammatha O'Brien<br>TuTh 8:00am - 9:15am<br>W 5:00pm - 7:50pm   | Seats (Total: 24)<br>ESJ 0224<br>BPS 0201 | Lab |
| 0112 | Caitlin Fox, Tammatha O'Brien<br>TuTh 8:00am - 9:15am<br>Th 11:00am - 1:50pm | Seats (Total: 24)<br>ESJ 0224<br>BPS 0201 | Lab |
| 0113 | Caitlin Fox, Tammatha O'Brien<br>TuTh 8:00am - 9:15am<br>Th 9:30am - 12:20pm | Seats (Total: 24)<br>ESJ 0224<br>BPS 0275 | Lab |
| 1101 | Caitlin Fox, Sara Lombardi<br>TuTh 9:30am - 10:45am<br>M 2:00pm - 4:50pm     | Seats (Total: 24)<br>ESJ 0224<br>BPS 0201 | Lab |
| 1102 | Sara Lombardi, Caitlin Fox<br>TuTh 9:30am - 10:45am<br>M 5:00pm - 7:50pm     | Seats (Total: 24)<br>ESJ 0224<br>BPS 0201 | Lab |

|      |   |   |     |
|------|---|---|-----|
| 1103 | Caitlin Fox, Sara Lombardi<br>TuTh 9:30am - 10:45am<br>Tu 4:00pm - 6:50pm   | Seats (Total: 24)<br>ESJ 0224<br>BPS 0201 | Lab |
| 1104 | Sara Lombardi, Caitlin Fox<br>TuTh 9:30am - 10:45am<br>W 8:00am - 10:50am   | Seats (Total: 24)<br>ESJ 0224<br>BPS 0201 | Lab |
| 1105 | Sara Lombardi, Caitlin Fox<br>TuTh 9:30am - 10:45am<br>W 11:00am - 1:50pm   | Seats (Total: 24)<br>ESJ 0224<br>BPS 0201 | Lab |
| 1106 | Caitlin Fox, Sara Lombardi<br>TuTh 9:30am - 10:45am<br>Th 2:00pm - 4:50pm   | Seats (Total: 24)<br>ESJ 0224<br>BPS 0201 | Lab |
| 1107 | Caitlin Fox, Sara Lombardi<br>TuTh 9:30am - 10:45am<br>Th 1:00pm - 3:50pm   | Seats (Total: 24)<br>ESJ 0224<br>BPS 0275 | Lab |
| 1108 | Caitlin Fox, Sara Lombardi<br>TuTh 9:30am - 10:45am<br>Th 5:00pm - 7:50pm   | Seats (Total: 24)<br>ESJ 0224<br>BPS 0275 | Lab |
| 1109 | Sara Lombardi, Caitlin Fox<br>TuTh 9:30am - 10:45am<br>F 8:00am - 10:50am   | Seats (Total: 24)<br>ESJ 0224<br>BPS 0201 | Lab |
| SEF1 | Tammatha O'Brien, Caitlin Fox<br>Tu 6:00pm - 8:50pm<br>Th 6:00pm - 8:50pm<br><br><i>Restricted to students in the SIE Program. Click here for more information.</i> | Seats (Total: 24)<br>PLS 1119<br>BPS 0201 | Lab |

## BSCI207

### Principles of Biology III - Organismal Biology

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCI160 and BSCI161; or BSCI106. And BSCI170 and BSCI171; or BSCI105. And must have completed or be concurrently enrolled in CHEM131.*

*The diversity, structure and function of organisms as understood from the perspective of their common physicochemical principles and unique evolutionary histories.*



|      |  |                                |
|------|--|--------------------------------|
| 0101 | Bretton Kent<br>MWF 9:00am - 9:50am              | Seats (Total: 180)<br>HJP 0226 |
| 0201 | Karen Carleton, Eric Haag<br>MWF 2:00pm - 2:50pm | Seats (Total: 150)<br>ESJ 1224 |
| 0301 | Karen Carleton, Eric Haag<br>MWF 3:00pm - 3:50pm | Seats (Total: 135)<br>ESJ 1224 |

## BSCI222

### Principles of Genetics

Credits: 4

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHEM131 and CHEM132; and (BSCI160 and BSCI161; or BSCI106); and (BSCI170 and BSCI171; or BSCI105). Or must have completed BSCI105 or (BSCI170 and BSCI171); and two semesters of chemistry.*

*Principles and mechanisms of heredity and gene expression. Considers plant, animal, and microbial organisms.*

(Sponsoring Dept.: BSCI).

|      |   |   |            |
|------|---|---|------------|
| 2121 | Kimberly Paczolt<br>MWF 1:00pm - 1:50pm<br>M 10:00am - 11:50am  | Seats (Total: 23)<br>BRB 1101<br>HJP 3233 | Discussion |
| 2122 | Kimberly Paczolt<br>MWF 1:00pm - 1:50pm<br>M 5:00pm - 6:50pm    | Seats (Total: 23)<br>BRB 1101<br>HJP 3233 | Discussion |
| 2124 | Kimberly Paczolt<br>MWF 1:00pm - 1:50pm<br>Tu 10:00am - 11:50am | Seats (Total: 23)<br>BRB 1101<br>PLS 1121 | Discussion |
| 2125 | Kimberly Paczolt<br>MWF 1:00pm - 1:50pm<br>Tu 12:00pm - 1:50pm  | Seats (Total: 23)<br>BRB 1101<br>HJP 3233 | Discussion |
| 2127 | Kimberly Paczolt<br>MWF 1:00pm - 1:50pm<br>Tu 12:00pm - 1:50pm  | Seats (Total: 23)<br>BRB 1101<br>PLS 1121 | Discussion |

|      |  |   |            |
|------|--|---|------------|
| 2130 | Kimberly Paczolt<br>MWF 1:00pm - 1:50pm<br>W 3:00pm - 4:50pm   | Seats (Total: 23)<br>BRB 1101<br>HJP 3233 | Discussion |
| 2132 | Kimberly Paczolt<br>MWF 1:00pm - 1:50pm<br>W 5:00pm - 6:50pm   | Seats (Total: 23)<br>BRB 1101<br>HJP 3233 | Discussion |
| 2137 | Kimberly Paczolt<br>MWF 1:00pm - 1:50pm<br>Th 12:00pm - 1:50pm | Seats (Total: 23)<br>BRB 1101<br>HJP 3233 | Discussion |
| 2140 | Kimberly Paczolt<br>MWF 1:00pm - 1:50pm<br>W 5:00pm - 6:50pm   | Seats (Total: 23)<br>BRB 1101<br>PLS 1121 | Discussion |
| 2141 | Kimberly Paczolt<br>MWF 1:00pm - 1:50pm<br>Th 2:00pm - 3:50pm  | Seats (Total: 23)<br>BRB 1101<br>PLS 1121 | Discussion |
| 2211 | Thomas Kocher<br>TuTh 11:00am - 12:15pm<br>M 12:00pm - 1:50pm  | Seats (Total: 23)<br>HJP 0226<br>PLS 1162 | Discussion |
| 2215 | Thomas Kocher<br>TuTh 11:00am - 12:15pm<br>Tu 2:00pm - 3:50pm  | Seats (Total: 24)<br>HJP 0226<br>HJP 3233 | Discussion |
| 2221 | Thomas Kocher<br>TuTh 11:00am - 12:15pm<br>Tu 4:00pm - 5:50pm  | Seats (Total: 24)<br>HJP 0226<br>PLS 1117 | Discussion |
| 2231 | Thomas Kocher<br>TuTh 11:00am - 12:15pm<br>Tu 6:00pm - 7:50pm  | Seats (Total: 24)<br>HJP 0226<br>PLS 1111 | Discussion |
| 2251 | Thomas Kocher<br>TuTh 11:00am - 12:15pm<br>W 12:00pm - 1:50pm  | Seats (Total: 23)<br>HJP 0226<br>PLS 1158 | Discussion |

|      |   |   |            |
|------|---|---|------------|
| 2264 | Thomas Kocher<br>TuTh 11:00am - 12:15pm<br>Th 8:00am - 9:50am | Seats (Total: 24)<br>HJP 0226<br>HBK 0105 | Discussion |
| 2265 | Thomas Kocher<br>TuTh 11:00am - 12:15pm<br>Th 2:00pm - 3:50pm | Seats (Total: 24)<br>HJP 0226<br>PLS 1119 | Discussion |
| 2267 | Thomas Kocher<br>TuTh 11:00am - 12:15pm<br>Th 4:00pm - 5:50pm | Seats (Total: 23)<br>HJP 0226<br>PLS 1172 | Discussion |
| 2271 | Thomas Kocher<br>TuTh 11:00am - 12:15pm<br>Th 6:00pm - 7:50pm | Seats (Total: 24)<br>HJP 0226<br>BPS 1234 | Discussion |

## BSCI223

### General Microbiology

Credits: 4

Grading Method: Regular,  
Pass-Fail, Audit

CORE: LL

General Education: DSNL,  
SCIS

*Prerequisite: BSCI170 and BSCI171; or BSCI105.*

*Fundamental concepts in morphology, physiology, genetics, immunology, ecology, and pathogenic microbiology. Applications of microbiology to medicine, the food industry and biotechnology.*

(Sponsoring Dept.: CBMG). Students must pay a \$40.00 laboratory materials fee.

|      |   |   |     |
|------|---|---|-----|
| 1101 | John Buchner<br>TuTh 11:00am - 11:50am<br>MW 10:00am - 11:50am  | Seats (Total: 20)<br>BRB 1101<br>MCB 1201 | Lab |
| 1106 | John Buchner<br>TuTh 11:00am - 11:50am<br>MW 10:00am - 11:50am  | Seats (Total: 20)<br>BRB 1101<br>MCB 1206 | Lab |
| 1121 | John Buchner<br>TuTh 11:00am - 11:50am<br>TuTh 9:00am - 10:50am | Seats (Total: 20)<br>BRB 1101<br>MCB 1201 | Lab |
| 1126 | John Buchner<br>TuTh 11:00am - 11:50am<br>TuTh 9:00am - 10:50am | Seats (Total: 20)<br>BRB 1101<br>MCB 1206 | Lab |

|      |   |   |     |
|------|---|---|-----|
| 1201 | John Buchner<br>TuTh 11:00am - 11:50am<br>MW 12:00pm - 1:50pm   | Seats (Total: 20)<br>BRB 1101<br>MCB 1201 | Lab |
| 1206 | John Buchner<br>TuTh 11:00am - 11:50am<br>MW 12:00pm - 1:50pm   | Seats (Total: 20)<br>BRB 1101<br>MCB 1206 | Lab |
| 1221 | John Buchner<br>TuTh 11:00am - 11:50am<br>TuTh 12:00pm - 1:50pm | Seats (Total: 20)<br>BRB 1101<br>MCB 1201 | Lab |
| 1301 | John Buchner<br>TuTh 11:00am - 11:50am<br>MW 2:00pm - 3:50pm    | Seats (Total: 20)<br>BRB 1101<br>MCB 1201 | Lab |
| 1305 | John Buchner<br>TuTh 11:00am - 11:50am<br>MW 2:00pm - 3:50pm    | Seats (Total: 20)<br>BRB 1101<br>MCB 1205 | Lab |
| 1306 | John Buchner<br>TuTh 11:00am - 11:50am<br>MW 2:00pm - 3:50pm    | Seats (Total: 20)<br>BRB 1101<br>MCB 1206 | Lab |
| 1321 | John Buchner<br>TuTh 11:00am - 11:50am<br>TuTh 2:00pm - 3:50pm  | Seats (Total: 20)<br>BRB 1101<br>MCB 1201 | Lab |
| 1325 | John Buchner<br>TuTh 11:00am - 11:50am<br>TuTh 2:00pm - 3:50pm  | Seats (Total: 20)<br>BRB 1101<br>MCB 1205 | Lab |
| 1326 | John Buchner<br>TuTh 11:00am - 11:50am<br>TuTh 2:00pm - 3:50pm  | Seats (Total: 20)<br>BRB 1101<br>MCB 1206 | Lab |
| 1405 | John Buchner<br>TuTh 11:00am - 11:50am<br>MW 4:00pm - 5:50pm    | Seats (Total: 20)<br>BRB 1101<br>MCB 1205 | Lab |

|  |                          |                   |
|--|--------------------------|-------------------|
| 2105   | John Buchner             | Seats (Total: 20) |
|  | TuTh 11:00am - 11:50am   | BRB 1101          |
|  | MW 10:00am - 11:50am     | MCB 1205      Lab |
| 2205   | John Buchner             | Seats (Total: 20) |
|  | TuTh 11:00am - 11:50am   | BRB 1101          |
|  | MW 12:00pm - 1:50pm      | MCB 1205      Lab |
| 2226   | John Buchner             | Seats (Total: 20) |
|  | TuTh 11:00am - 11:50am   | BRB 1101          |
|  | TuTh 12:00pm - 1:50pm    | MCB 1206      Lab |
| 2401   | John Buchner             | Seats (Total: 20) |
|  | TuTh 11:00am - 11:50am   | BRB 1101          |
|  | MW 4:00pm - 5:50pm       | MCB 1201      Lab |
| SEF1   | David Rollins, Eric Hall | Seats (Total: 20) |
|  | TuTh 6:00pm - 6:50pm     | MCB 1207          |
|  | TuTh 7:00pm - 9:00pm     | MCB 1201      Lab |
| <i>Restricted to students in the SIE Program. Click here for more information.</i> |                          |                   |

## BSCI279

### Supplemental Study; Supplemental Study in Biology

(Perm req)

Credits: 1-3

Grading Method: Regular,

Pass-Fail, Audit

*Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.*

(Sponsoring Dept.: BIOL).

**Contact department for information to register for this course.**

## BSCI279P

### Supplemental Study; Undergraduate Teaching Fellows Professional Development Seminar

(Perm req)

Credits: 1-3

Grading Method: Regular,

Pass-Fail, Audit

*Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Francisca Saavedra | Seats (Total: 34) |
|      | W 4:00pm - 4:50pm  | PLS 1117          |

**BSCI279Q****Supplemental Study; Readings in Neurophysiology**

(Perm req)

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit

*Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.*

|      |  |                   |
|------|--|-------------------|
| 0101 | Patrick Kanold, Ricardo Araneda, Daniel Butts, Elizabeth Quinlan | Seats (Total: 13) |
|      | Contact instructor or department for details.                    |                   |

**BSCI279R****Supplemental Study; Undergraduate Research Rotation**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.*

(Sponsoring Dept.: CBMG).

**Contact department for information to register for this course.****BSCI279T****Supplemental Study; BSCI Learning Assistants**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.*

**Contact department for information to register for this course.****BSCI283****Principles of Microbiology**

Credits: 4

Grading Method: Regular,  
Pass-Fail, AuditGeneral Education: DSNL,  
SCIS

*Prerequisite: BSCI207 and BSCI222. Credit only granted for: BSCI223 or BSCI283. Additional information: Priority given to BSCI, BCHM and CHEM majors.*

*Introduction to microorganisms designed for science majors. Genetic principles underlying microbial abilities; microbial structure-function relationships; metabolism, physiology, and ecology of microorganisms; interactions between microorganisms (including pathogens) and their hosts.*

|      |   |                   |
|------|---|-------------------|
| 1225 | Daniel Stein, Richard Stewart, Wade Winkler | Seats (Total: 20) |
|      | TuTh 11:00am - 11:50am                      | HJP 2242          |
|      | TuTh 12:00pm - 1:50pm                       | MCB 1205      Lab |

|      |   |                   |     |
|------|---|-------------------|-----|
| 2125 | Wade Winkler, Daniel Stein, Richard Stewart | Seats (Total: 20) |     |
|      | TuTh 11:00am - 11:50am                      | HJP 2242          |     |
|      | TuTh 9:00am - 10:50am                       | MCB 1205          | Lab |

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### **BSCI288 Internship; Field Experience**

(Perm req)

Credits: 1-6      Grading Method: Regular,  
Pass-Fail, Audit

*An individual experience arranged by the student with the instructor.*

(Sponsoring Dept.: BSCI).

**Contact department for information to register for this course.**

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### **BSCI288H Internship**

(Perm req)

Credits: 1-6      Grading Method: Regular,  
Pass-Fail, Audit

*An individual experience arranged by the student with the instructor.*

**Contact department for information to register for this course.**

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### **BSCI289 Off-Campus Internship**

(Perm req)

Credits: 1-3      Grading Method: Sat-Fail

*Elective credit for formally established off-campus research internship. Permission of Director of Outreach required.*

Provides credit for off-campus research internships. This credit counts as elective toward graduation, but does not satisfy any Biological Sciences degree requirements (For information about research credit that does count toward Biological Sciences contact the Biological Sciences Program, room 1322 Symons Hall). The off-campus internship credit requires that a contract form be filed with the Director of Undergraduate Research and Internship Programs, Room 1313 Symons Hall, prior to the internship. The contract must be finalized and signed by the research supervisor at the end of the semester before credit will be awarded.

|      |   |                   |
|------|---|-------------------|
| 1110 | Katerina Thompson                             | Seats (Total: 20) |
|      | Contact instructor or department for details. |                   |

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### **BSCI329 Instructional Assistance Practicum**

(Perm req)

Credits: 1-2      Grading Method: Regular,  
Pass-Fail

*Students serve as instructional assistants in selected undergraduate biology courses. Roles and responsibilities are determined on a course- specific basis and approved by the College Undergraduate Program Committee.*

Prerequisite: permission of department. (Sponsoring Dept.: BIOL). Credit cannot be applied to the requirements of any Biological Sciences Major.

|      |   |                   |
|------|---|-------------------|
| 1016 | Hilary Bierman                                | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 1060 | Marco Colombini                               | Seats (Total: 4)  |
|      | Contact instructor or department for details. |                   |
| 1250 | Justicia Opoku-Edusei                         | Seats (Total: 20) |
|      | Contact instructor or department for details. |                   |
| 2080 | Todd Cooke                                    | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

## BSCI330

### Cell Biology and Physiology

Credits: 4

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in CHEM131 and CHEM132. And minimum grade of C- in BSCI170 and BSCI171; or minimum grade of C- in BSCI105. Restriction: Must not have completed BSCI230. Credit only granted for: BSCI230 or BSCI330. Formerly: BSCI230.*

*Biochemical and physiological mechanisms underlying cellular function. Properties of cells which make life possible and mechanisms by which cells provide energy, reproduce, and regulate and integrate with each other and their environment.*

(Sponsoring Dept.: BIOL). Specialization Areas: PHNB, CEBG, MICB, ECEV, and GENB. Students must pay a \$40.00 laboratory materials fee.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Ibrahim Ades        | Seats (Total: 24) |
|      | MWF 9:00am - 9:50am | BRB 1101          |
|      | M 11:00am - 1:50pm  | BPS 0207 Lab      |
| 0102 | Ibrahim Ades        | Seats (Total: 24) |
|      | MWF 9:00am - 9:50am | BRB 1101          |
|      | M 2:00pm - 4:50pm   | BPS 0207 Lab      |



|      |   |   |     |
|------|---|---|-----|
| 0103 | Ibrahim Ades<br>MWF 9:00am - 9:50am<br>Tu 8:00am - 10:50am                    | Seats (Total: 24)<br>BRB 1101<br>BPS 0207 | Lab |
| 0104 | Ibrahim Ades<br>MWF 9:00am - 9:50am<br>Tu 11:00am - 1:50pm                    | Seats (Total: 24)<br>BRB 1101<br>BPS 0207 | Lab |
| 0105 | Ibrahim Ades<br>MWF 9:00am - 9:50am<br>W 11:00am - 1:50pm                     | Seats (Total: 24)<br>BRB 1101<br>BPS 0207 | Lab |
| 0107 | Ibrahim Ades<br>MWF 9:00am - 9:50am<br>W 6:00pm - 8:50pm                      | Seats (Total: 24)<br>BRB 1101<br>BPS 0207 | Lab |
| 0108 | Ibrahim Ades<br>MWF 9:00am - 9:50am<br>Th 8:00am - 10:50am                    | Seats (Total: 23)<br>BRB 1101<br>BPS 0207 | Lab |
| 0109 | Ibrahim Ades<br>MWF 9:00am - 9:50am<br>Th 11:00am - 1:50pm                    | Seats (Total: 24)<br>BRB 1101<br>BPS 0207 | Lab |
| 0111 | Ibrahim Ades<br>MWF 9:00am - 9:50am<br>M 6:00pm - 8:50pm                      | Seats (Total: 24)<br>BRB 1101<br>BPS 0207 | Lab |
| 0114 | Ibrahim Ades<br>MWF 9:00am - 9:50am<br>Th 2:00pm - 4:50pm                     | Seats (Total: 24)<br>BRB 1101<br>BPS 0207 | Lab |
| 1101 | Antony Jose, Kenneth Frauwirth<br>TuTh 12:30pm - 1:45pm<br>M 11:00am - 1:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0213 | Lab |
| 1102 | Antony Jose, Kenneth Frauwirth<br>TuTh 12:30pm - 1:45pm<br>M 2:00pm - 4:50pm  | Seats (Total: 24)<br>BRB 1101<br>BPS 0213 | Lab |

|      |  |   |     |
|------|--|---|-----|
| 1103 | Antony Jose, Kenneth Frauwirth<br>TuTh 12:30pm - 1:45pm<br>Tu 8:30am - 11:20am   | Seats (Total: 24)<br>BRB 1101<br>BPS 0213   | Lab |
| 1104 | Kenneth Frauwirth, Antony Jose<br>TuTh 12:30pm - 1:45pm<br>Tu 2:00pm - 4:50pm  | Seats (Total: 24)<br>BRB 1101<br>BPS 0213   | Lab |
| 1105 | Kenneth Frauwirth, Antony Jose<br>TuTh 12:30pm - 1:45pm<br>W 11:00am - 1:50pm  | Seats (Total: 24)<br>BRB 1101<br>BPS 0213   | Lab |
| 1106 | Kenneth Frauwirth, Antony Jose<br>TuTh 12:30pm - 1:45pm<br>W 2:00pm - 4:50pm   | Seats (Total: 24)<br>BRB 1101<br>BPS 0213   | Lab |
| 1108 | Antony Jose, Kenneth Frauwirth<br>TuTh 12:30pm - 1:45pm<br>W 6:00pm - 8:50pm   | Seats (Total: 24)<br>BRB 1101<br>BPS 0213   | Lab |
| SEF1 | Elizabeth Read-Connole<br>Tu 6:30pm - 9:30pm<br>Th 6:30pm - 9:30pm<br><br><i>Restricted to students in the SIE Program. Click here for more information.</i>   | Seats (Total: 24)<br>PLS 1146<br>BPS 0207   | Lab |
| SG91 | Beth Parent<br>TuTh 11:00am - 12:15pm<br>Th 2:00pm - 4:50pm<br><br><i>Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email <a href="mailto:usgbiosci@umd.edu">usgbiosci@umd.edu</a> for permission.</i> | Seats (Total: 20)<br>BLD2 3032<br>BLD2 4012 | Lab |
| SG92 | Beth Parent<br>TuTh 11:00am - 12:15pm<br>Tu 2:00pm - 4:50pm  | Seats (Total: 12)<br>BLD2 3032<br>BLD2 4012 | Lab |

**BSCI330H**

(Perm req)

**Cell Biology and Physiology**

Credits: 4

 Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in CHEM131 and CHEM132. And minimum grade of C- in BSCI170 and BSCI171; or minimum grade of C- in BSCI105. Restriction: Must not have completed BSCI230. Credit only granted for: BSCI230 or BSCI330. Formerly: BSCI230.*

*Biochemical and physiological mechanisms underlying cellular function. Properties of cells which make life possible and mechanisms by which cells provide energy, reproduce, and regulate and integrate with each other and their environment.*

(Sponsoring Dept.: BIOL). Specialization Areas: PHNB, CEBG, MICB, ECEV and GENB. Restricted to students in the Integrated Life Science Honors program and permission of the instructor. Students must pay a \$40.00 laboratory materials fee.

|      |                               |                   |
|------|-------------------------------|-------------------|
| 0101 | Sabrina Kramer, Kathryn Monzo | Seats (Total: 24) |
|      | MWF 10:00am - 10:50am         | CCC 1205          |
|      | Tu 2:00pm - 4:50pm            | BPS 0207 Lab      |
| 0102 | Kathryn Monzo, Sabrina Kramer | Seats (Total: 24) |
|      | MWF 10:00am - 10:50am         | CCC 1205          |
|      | W 2:00pm - 4:50pm             | BPS 0207 Lab      |
| 0103 | Sabrina Kramer, Kathryn Monzo | Seats (Total: 24) |
|      | MWF 10:00am - 10:50am         | CCC 1205          |
|      | Th 2:00pm - 4:50pm            | BPS 0213 Lab      |

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## **BSCI338A Special Topics in Biology; Insect Compound Eye & Vision in Invertebrate Animals**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Lectures, seminars, mini-courses and other special instruction in various biological subjects.*

Prerequisite: BSCI353 The course will investigate, through original research papers, the structure, development, optics and physiological function of vision in insect and other invertebrate species. We will follow the evolution of vision in insects and explore how general principles of visual signal processing drove an increasing sophistication of eye structure and function. Wherever possible we will draw comparisons with the function and eyes in vertebrates and with human vision. Applicable towards Biological Sciences Specialization arease: PHNB, GENB cell biology/physiology category. Sponsoring Dept. BIOL.

|      |                    |                     |
|------|--------------------|---------------------|
| 0101 | Richard Payne      | Seats (Total: 30)   |
|      | MF 9:00am - 9:50am | PLS 1119            |
|      | W 9:00am - 9:50am  | BPS 1238 Discussion |

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## **BSCI338D Special Topics in Biology; Complexity of Cancer**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Lectures, seminars, mini-courses and other special instruction in various biological subjects.*

**Contact department for information to register for this course.**

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**BSCI338G      Special Topics in Biology; Seminar on Deregulated Cell Growth in Cancer and Drug Development**

Credits: 2                      Grading Method: Regular,  
Pass-Fail, Audit

*Lectures, seminars, mini-courses and other special instruction in various biological subjects.*

Pre-requisite: BSCI 330. Acceptable towards Biological Sciences Specialization Areas: PHNB and GENB. (Sponsoring Dept: BIOL).

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Ibrahim Ades      | Seats (Total: 20) |
|      | M 1:00pm - 2:40pm | PLS 1146          |

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**BSCI338I      Special Topics in Biology; Medical Biotechnology & Drug Development**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Lectures, seminars, mini-courses and other special instruction in various biological subjects.*

**Contact department for information to register for this course.**

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**BSCI338J      Special Topics in Biology; Medical Exploration of HIV/AIDS**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Lectures, seminars, mini-courses and other special instruction in various biological subjects.*

**Contact department for information to register for this course.**

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**BSCI338M      Special Topics in Biology; Human Health and Disease: A Clinical Approach**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Lectures, seminars, mini-courses and other special instruction in various biological subjects.*

**Contact department for information to register for this course.**

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**BSCI338Z      Special Topics in Biology; Field Research**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Lectures, seminars, mini-courses and other special instruction in various biological subjects.*

(Sponsoring Dept: BIOL). Cannot be used as credit toward the major requirements for any Biological Sciences major. Contact the Biology Department Undergraduate Office for course information.

**Contact department for information to register for this course.**

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**BSCI339C      Selected Topics in Biology; Cell Biology Lab**

(Perm req)

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Lectures, seminars, and other selected instruction courses in various biological subject matter.*

Prerequisites: BSCI420. Credit will be granted for BSCI339C or BSCI421. Students must pay a \$40.00 lab materials fee. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: PHNB, CEBG, and GENB.

|      |                    |                  |     |
|------|--------------------|------------------|-----|
| 0101 | Hadiya Woodham     | Seats (Total: 3) |     |
|      | Tu 2:00pm - 6:00pm | PLS 1171         | Lab |

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**BSCI339D      Selected Topics in Biology; Biology of Chemosensory Systems**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Lectures, seminars, and other selected instruction courses in various biological subject matter.*

Prerequisite: BSCI353. Applicable towards Biological Sciences Specialization areas: GENB, PHNB.

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 0101 | Ricardo Araneda    | Seats (Total: 10) |  |
|      | MW 2:00pm - 3:15pm | BPS 2249          |  |

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**BSCI339I      Selected Topics in Biology; Cellular Mechanisms of Aging and Disease**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Lectures, seminars, and other selected instruction courses in various biological subject matter.*

Prerequisite: BSCI 330. This course will explore the cellular mechanisms underlying aging and a variety of noninfectious diseases and disorders ranging from diabetes and obesity to Alzheimer's and various cancers. In addition to lectures, students will read and discuss relevant primary and secondary literature. Assessments will include student-led discussion of primary literature and group presentations of disease topics. Acceptable towards Biological Sciences Specialization Areas: PHNB, CEBG cell biology category, GENB cell biology/physiology category.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Hadiya Woodham       | Seats (Total: 36) |
|      | TuTh 4:00pm - 5:15pm | BPS 1238          |

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**BSCI339R      Selected Topics in Biology; Strategies for Success**

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Lectures, seminars, and other selected instruction courses in various biological subject matter.*

|   |                                 |                   |
|---|---------------------------------|-------------------|
| SG91  | Noah Gibson, Annie Foster Ahmed | Seats (Total: 40) |
|   | F 9:30am - 10:20am              | BLD3 3220         |
| <i>Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email <a href="mailto:usgbiosci@umd.edu">usgbiosci@umd.edu</a> for permission.</i> |                                 |                   |

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**BSCI348      Special Topics in Cell Biology and Molecular Genetics**

(Perm req)

Credits: 1-4      Grading Method: Regular,  
Pass-Fail, Audit

*Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.*

(Sponsoring Dept.: CBMG). May be repeated, but only 3 credits may be applied to major requirements.

**Contact department for information to register for this course.**

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**BSCI348A      Special Topics in Cell Biology and Molecular Genetics; Microbiology Undergraduate Teaching Practicum**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.*

Students will act as Undergraduate Teaching Assistants for BSCI223. Prerequisite: A or B in BSCI223 and permission of instructor. Students must be available for one of the BSCI223 lab periods. Students interested in this teaching/leadership opportunity should contact Dr. Richard Stewart for application information: This course is applicable for the Enrichment credits required of all Biological Sciences students in majors with 0404 codes. For others this is elective credit. Formerly: BSCI348U.

|   |                               |                   |
|---|-------------------------------|-------------------|
| 0101  | John Buchner, Richard Stewart | Seats (Total: 25) |
|   | F 8:00am - 8:50am             | BPS 1234          |
| Contact instructor or department for details. |                               |                   |

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**BSCI348I****Special Topics in Cell Biology and Molecular Genetics; Scientific Readings in Infectious Disease Processes**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.*

|   |                    |                   |
|---|--------------------|-------------------|
| SEF1  | Volker Briken      | Seats (Total: 15) |
|   | Tu 6:00pm - 9:00pm | PLS 1117          |
| <i>Restricted to students in the SIE Program.</i> |                    |                   |

**BSCI348P****Special Topics in Cell Biology and Molecular Genetics; Introductory Biology Curriculum and Instruction Practicum**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.*

(Sponsoring Dept.: CBMG). Students will learn about methodologies and curriculum tools applicable to the field of undergraduate science education; the practicum component of the course will allow students to directly apply such innovative approaches through an undergraduate teaching and learning assistantship (UTLA) in conjunction with BSCI105. Prerequisite: A or B in BSCI105 and permission of instructor. Student must be available for one of the BSCI105 lecture periods (MWF 10-10:50). Students interested in this teaching/leadership opportunity should contact either Dr. Patricia Shields (pshields@umd.edu) for further information. This course is applicable for the Enrichment credits required of all Biological students in majors with 0404 codes. For others this is an elective credit.

|   |                   |                   |
|---|-------------------|-------------------|
| 0201  | Patricia Shields  | Seats (Total: 20) |
|   | M 5:00pm - 7:00pm | ESJ 1215          |
| Contact instructor or department for details. |                   |                   |

**BSCI348Q****Special Topics in Cell Biology and Molecular Genetics; Introductory Biology Learning Assistantship**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.*

Students apply methodologies learned in BSCI348P by serving as an undergraduate learning assistant (ULA) in conjunction with BSCI170 (formerly BSCI105). Prerequisite: A or B in BSCI348P and permission of instructor. Student must be available for one of the BSCI170 lecture periods (MWF 11-11:50 or 2:00-2:50). Students interested in this teaching/leadership opportunity should contact Dr. Patricia Shields (pshields@umd.edu) for further information.

|      |   |                   |
|------|---|-------------------|
| 0101 | Patricia Shields                              | Seats (Total: 40) |
|      | M 6:00pm - 7:00pm                             | ESJ 1215          |
|      | Contact instructor or department for details. |                   |

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**BSCI348R      Special Topics in Cell Biology and Molecular Genetics; Microbiology Internship**

(Perm req)

Credits: 1-4      Grading Method: Regular,  
Pass-Fail, Audit

*Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.*

This course is an opportunity for students interested in microbiology to pursue a research project in an off-campus lab. The student must see the instructor and complete an information sheet found on the web site, prior to enrolling in the course. (Sponsoring Dept.: CBMG).

|      |   |                  |
|------|---|------------------|
| 0101 | David Straney                                 | Seats (Total: 8) |
|      | Contact instructor or department for details. |                  |

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**BSCI353      Principles of Neuroscience**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (BSCI207, BSCI330). Corequisite: PHYS122, PHYS142, or PHYS132.*

*Principles of nervous system function, ranging from molecular and cellular basis of neuron function through nervous system integration.*

|      |  |                    |
|------|--|--------------------|
| 0101 | Richard Payne  | Seats (Total: 180) |
|      | TuTh 12:30pm - 1:45pm  | HJP 0226           |
| SG91 | David Sandstrom  | Seats (Total: 40)  |
|      | MW 11:00am - 12:15pm   | BLD2 3052          |
|      | <i>Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.</i> |                    |

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**BSCI360      Principles of Animal Behavior**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCI160 and BSCI161; or BSCI106. And BSCI170 and BSCI171; or BSCI105. And BSCI222.*



*Study of animal behavior with emphasis on its evolution and function. Topics include genetic basis of behavior, communication, aggression, foraging, cooperation, mate selection, and relevance for conservation.*

(Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences specialization areas: PHNB, and GENB.

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Gerald Borgia        | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | PLS 1130          |            |
|      | F 9:00am - 9:50am    | PLS 1162          | Discussion |
| 0102 | Gerald Borgia        | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | PLS 1130          |            |
|      | F 10:00am - 10:50am  | PLS 1162          | Discussion |
| 0103 | Gerald Borgia        | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | PLS 1130          |            |
|      | F 11:00am - 11:50am  | PLS 1162          | Discussion |

## BSCI361

### Principles of Ecology

Credits: 4                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: BSCI160 and BSCI161; or BSCI106. And (MATH130 or MATH140).*

*Basic principles of population, community, and ecosystem ecology. Use of these principles to predict possible consequences of human-caused changes in the environment and to understand the level of uncertainty of those predictions.*

(Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: ECEV and GENB.

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0101 | Nathan Swenson        | Seats (Total: 25) |            |
|      | TuTh 9:30am - 10:45am | PLS 1130          |            |
|      | W 2:00pm - 2:50pm     | CHM 0124          | Discussion |
| 0102 | Nathan Swenson        | Seats (Total: 25) |            |
|      | TuTh 9:30am - 10:45am | PLS 1130          |            |
|      | W 3:00pm - 3:50pm     | CHM 0124          | Discussion |
| 0103 | Nathan Swenson        | Seats (Total: 25) |            |
|      | TuTh 9:30am - 10:45am | PLS 1130          |            |
|      | W 4:00pm - 4:50pm     | CHM 0124          | Discussion |

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**BSCI363      The Biology of Conservation and Extinction**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCI160 and BSCI161; or BSCI106.*

*Ecology, evolutionary biology, and paleontology will be applied to the study of conservation, species invasions, and extinction.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Francisca Saavedra    | Seats (Total: 96) |
|      | MWF 11:00am - 11:50am | ESJ 1202          |

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**BSCI370      Principles of Evolution**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCI160 and BSCI161; or BSCI106.*

*Understanding evolutionary processes in a natural and human environment including adaptation; DNA sequence, protein, and genome evolution; evolution of developmental mechanisms; mechanisms of evolutionary change (mutation, natural selection, drift); epidemiology; coevolution and biological control; speciation; comparative methods; extinction and conservation; human evolution.*

(Sponsoring Dept.: BIOL) Applies to Biological Sciences Specialization Areas: PHNB, GENB, and ECEV.

|      |                        |                    |
|------|------------------------|--------------------|
| 0101 | Carlos Machado         | Seats (Total: 100) |
|      | TuTh 11:00am - 12:15pm | PLS 1140           |

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**BSCI373      Natural History of the Chesapeake Bay**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 3 credits in BSCI courses; or permission of CMNS-Biological Sciences UG Program. Also offered as: ENST373. Credit only granted for: BSCI206, BSCI373, or ENST373.*

*Consideration of the major groups of organisms associated with the Chesapeake Bay and current issues that determine humans' present and future uses for the Chesapeake and its biota.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Patrick Kangas      | Seats (Total: 80) |
|      | MWF 3:00pm - 3:50pm | ANS 0408          |

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**BSCI374H      Mathematical Modeling in Biology**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH131 or MATH141. Also offered as: HLSC374. Credit only granted for: BSCI374, BSCI474, or HLSC374. Formerly: BSCI474.*

*Students will learn empowering mathematical techniques through the understanding of biological models. Models are chosen from a variety of biological disciplines. Mathematical skills that will be developed along the way include: solving non-linear difference equations, eigenvector analysis, and the implementation of these algorithms as computer models.*

Applies as an upper-level laboratory course to Biological Sciences Sciences Specialization Areas: GENB, ECEV, and PHNB.

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0101 | Jonathan Simon        | Seats (Total: 20) |     |
|      | TuTh 9:30am - 10:45am | CCC 1111          |     |
|      | M 1:00pm - 3:50pm     | CCC 1111          | Lab |

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**BSCI378H      Cell Biology and Molecular Genetics Department Honors Seminar**

(Perm req)

Credits: 1                      Grading Method: Regular

*Required seminar for all students participating in departmental honors research program.*

(Sponsoring Dept.: CBMG). Restricted to students participating in the CBMG Departmental Honors Program. If you are interested in a CBMG Departmental Honors Research experience, please see the CBMG department web site for detailed information.

*[Click here for more course information.](#)*

|      |                   |                   |  |
|------|-------------------|-------------------|--|
| 0101 | Louisa Wu         | Seats (Total: 19) |  |
|      | F 2:00pm - 2:50pm | HJP 1216          |  |

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**BSCI379G      Cell Biology and Molecular Genetics Department Research; Research in Cell Biology and Molecular Genetics**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*This course is arranged to provide qualified majors an opportunity to pursue research problems under the supervision of a member of the department.*

Prerequisite: permission of department. See CBMG department Undergraduate office. (Sponsoring Dept: CBMG).

**Contact department for information to register for this course.**

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**BSCI379H      Cell Biology and Molecular Genetics Department Honors Research**

(Perm req)

Credits: 1-3

Grading Method: Regular

*Student should consult program guidelines. Research project carried out under guidance of faculty advisor.*

Corequisite: BSCI378H. Restricted to students participating in the CBMG Departmental Honors Program. (Sponsoring Dept.: CBMG).

*Click here for more course information.*

**Contact department for information to register for this course.**

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### **BSCI379L**

### **Cell Biology and Molecular Genetics Department Research; Lab Research**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*This course is arranged to provide qualified majors an opportunity to pursue research problems under the supervision of a member of the department.*

Any combination of 3 credits of BSCI 379G, BSCI 379L, and BSCI 379H can be used to satisfy the enrichment requirement in CEBG, ECEV, MICB, or PHNB or an upper-level elective in GENB. Students must have successfully completed at least one semester in a Cell Biology & Molecular Genetics department research lab before getting permission to take BSCI 379L in the same lab. Students completing at least 4 credits of laboratory research including at least one semester taking BSCI 379L may substitute this experience for one of the two upper-level laboratory courses required to complete any BSCI major.

**Contact department for information to register for this course.**

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### **BSCI389**

### **Entomology Department Research**

(Perm req)

Credits: 1-2

Grading Method: Regular,  
Pass-Fail, Audit

*Credit to be determined by the department. Should be taken during the junior year. Investigations of assigned entomological problems. No more than 4 credit hours of BSCI389 may be applied to the 120 credit hours needed for the Bachelor's degree.*

(Sponsoring Dept.: ENTM).

**Contact department for information to register for this course.**

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### **BSCI389H**

### **Entomology Department Honors Research**

(Perm req)

Credits: 1-2

Grading Method: Regular

(Sponsoring Dept.: ENTM).

**Contact department for information to register for this course.**

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**BSCI389L Entomology Department Research; Lab Research**

Credits: 1-2      Grading Method: Regular,  
Pass-Fail, Audit

*Credit to be determined by the department. Should be taken during the junior year. Investigations of assigned entomological problems. No more than 4 credit hours of BSCI389 may be applied to the 120 credit hours needed for the Bachelor's degree.*

**Contact department for information to register for this course.**

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**BSCI398H Biology Department Honors Seminar**

(Perm req)      Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Required seminar for all students participating in departmental honors research program.*

(Sponsoring Dept. :BIOL).

|      |                   |                   |
|------|-------------------|-------------------|
| 1000 | Alexandra Bely    | Seats (Total: 35) |
|      | M 4:00pm - 5:00pm | BPS 1208          |

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**BSCI399 Biology Department Research; Biology Department Research**

(Perm req)      Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Research and/or integrated reading in biology under the direction and close supervision of a member of the faculty.*

(Sponsoring Dept: BIOL)

**Contact department for information to register for this course.**

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**BSCI399H Biology Department Honors Research**

(Perm req)      Credits: 1-2      Grading Method: Regular

*A laboratory research problem; required each semester during honors participation and culminating in an honors thesis.*

(Sponsoring Dept: BIOL).

**Contact department for information to register for this course.**

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**BSCI399L Biology Department Research; Biology Lab Research**

(Perm req)      Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

Research and/or integrated reading in biology under the direction and close supervision of a member of the faculty.

Contact department for information to register for this course.

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**BSCI404 Cell Biology from a Biophysical Perspective**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCI330. Recommended: PHYS121 and PHYS122; or completion of PHYS131 and PHYS132 recommended. Also offered as: BIOL704, BIPH704. Credit only granted for: BSCI338O, BSCI404, BIOL704, BIOL708O, or BIPH704. Formerly: BSCI338O.*

*An approach to cell biology by focusing on mechanisms and unifying physical paradigms. It will not assume a great deal of factual biological knowledge, but will expect a background that prepares students to think mechanistically and quantitatively.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Sergei Sukharev      | Seats (Total: 15) |
|      | TuTh 3:30pm - 4:45pm | PLS 1113          |

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**BSCI410 Molecular Genetics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCI222. And must have completed CHEM233; or (CHEM231 and CHEM232).*

*An advanced genetics course emphasizing the molecular basis of gene structure and function in the context of modern approaches to the genetics of humans and model organisms.*

(Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences specialization areas: PHNB, MICB, CEBG, GENB and CMBG.

|   |                        |                   |
|---|------------------------|-------------------|
| 0101  | Stephen Mount          | Seats (Total: 90) |
|   | TuTh 11:00am - 12:15pm | BPS 1250          |
| 0201  | Leslie Pick            | Seats (Total: 90) |
|   | TuTh 9:30am - 10:45am  | PLS 1140          |
| SG91  | Ryan Marcheschi        | Seats (Total: 40) |
|   | MW 1:00pm - 2:15pm     | BLD2 3012         |
| <i>Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email <a href="mailto:usgbiosci@umd.edu">usgbiosci@umd.edu</a> for permission.</i> |                        |                   |

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**BSCI411 Bioinformatics and Integrated Genomics**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in BSCI222. Recommended: BSCI410. Credit only granted for: BSCI380 or BSCI411. Formerly: BSCI380.*

*Computational methods for the study of biological sequence data in comparative biology and evolution. Analysis of genome content and organization. Database searching, pairwise and multiple sequence alignment, phylogenetic, methods, pattern recognition, and functional inference. Functional and comparative genomics approaches.*

(Sponsoring Dept.: CBMG). Acceptable to Biological Specialization Areas: CEBG, MICB, and GENB. Students must pay a \$40.00 Laboratory Materials fee.

|      |                       |                   |     |  |
|------|-----------------------|-------------------|-----|--|
| 0101 | Najib El-Sayed        | Seats (Total: 25) |     |  |
|      | MWF 10:00am - 10:50am | MCB 1207          |     |  |
|      | M 2:00pm - 5:00pm     | PLS 1121          | Lab |  |
| 0102 | Najib El-Sayed        | Seats (Total: 25) |     |  |
|      | MWF 10:00am - 10:50am | MCB 1207          |     |  |
|      | W 2:00pm - 5:00pm     | PLS 1121          | Lab |  |

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**BSCI414 Recombinant DNA Laboratory**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCI222.*

*An advanced course offering hands-on experience in performing recombinant DNA experiments. All current molecular biology techniques used for cloning prokaryotic genes, analyzing the gene products, and modifying the genes will be performed. Techniques include isolation of DNA, use of restriction enzymes; cloning procedures, PCR analysis, and Southern hybridizations. Lecture material focuses on interpretation of results generated in the laboratory.*

(Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: PHNB, MICB, CEBG and GENB. Students must pay a \$40.00 laboratory materials fee.

|      |                       |                   |     |  |
|------|-----------------------|-------------------|-----|--|
| 0101 | Caren Chang           | Seats (Total: 18) |     |  |
|      | TuTh 12:30pm - 4:30pm | MCB 1135          | Lab |  |

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**BSCI415 Molecular Genetics Laboratory**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have completed or be concurrently enrolled in BSCI410. Restriction: Junior standing or higher. Credit only granted for: BSCI348G or BSCI415. Formerly: BSCI348G.*

*Problem solving laboratory organized around extended projects that employ different approaches toward linking gene and function.*

(Sponsoring Dept.: CBMG). Specialization Areas: CEBG and GENB. Students must pay a \$40.00 laboratory materials fee.

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | David Straney        | Seats (Total: 20) |     |
|      | TuTh 2:00pm - 5:00pm | HJP 2226          | Lab |

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### **BSCI416 Human Genetics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: DSSP

*Prerequisite: Minimum grade of C- in BSCI410. Recommended: BSCI330.*

*Approaches to human genetics and applications to biology and medicine focusing on specific human genetic topics using primary research papers as the main resource.*

**Contact department for information to register for this course.**

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### **BSCI420 Cell Biology Lectures**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCI330, BSCI222, CHEM231, and CHEM232. Credit only granted for: BSCI420 or BSCI421.*

*Molecular and biochemical bases of cellular organization and function in eukaryotes.*

(Sponsoring Dept: BIOL). Specialization Areas: PHNB, CEBG, and GENB.

|      |                       |                   |  |
|------|-----------------------|-------------------|--|
| 0101 | Julia Marre           | Seats (Total: 55) |  |
|      | TuTh 12:30pm - 1:45pm | HJP 2242          |  |

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### **BSCI424 Pathogenic Microbiology**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCI223.*



*The role of bacteria and fungi in the diseases of humans with emphasis upon the differentiation and culture of microorganisms, types of disease, modes of disease transmission, prophylactic, therapeutic, and epidemiological aspects.*

(Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: MICB and GENB (Category 2). Students must pay a \$40.00 laboratory materials fee.

|      |                                  |                   |
|------|----------------------------------|-------------------|
| 0101 | Kenneth Frauwirth, Volker Briken | Seats (Total: 18) |
|      | TuTh 11:00am - 11:50am           | MCB 1207          |
|      | MW 9:00am - 10:50am              | MCB 1143      Lab |
| 0103 | Volker Briken, Kenneth Frauwirth | Seats (Total: 18) |
|      | TuTh 11:00am - 11:50am           | MCB 1207          |
|      | MW 1:00pm - 2:50pm               | MCB 1143      Lab |
| 0104 | Volker Briken, Kenneth Frauwirth | Seats (Total: 18) |
|      | TuTh 11:00am - 11:50am           | MCB 1207          |
|      | MW 3:00pm - 4:50pm               | MCB 1143      Lab |

## BSCI430

### Developmental Biology

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCI222 and BSCI330.*

*Structural, functional and regulatory events and mechanisms that operate during development to produce an integrated, multicellular organism composed of a multitude of differentiated cell types.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | William Jeffery      | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm | BPS 1228          |

## BSCI437

### General Virology

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCI222; or permission of CMNS-Biological Sciences UG Program. Restriction: Junior standing or higher.*

*Discussion of the physical and chemical nature of viruses, virus cultivation and assay methods, virus replication, viral diseases with emphasis on the oncogenic viruses, viral genetics, and characteristics of the major virus groups.*

(Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: GENB, MICB and CEBG.

|      |                                 |                   |
|------|---------------------------------|-------------------|
| 0101 | Margaret Scull, Jonathan Dinman | Seats (Total: 60) |
|      | MWF 11:00am - 11:50am           | BPS 1243          |

## BSCI440

### Mammalian Physiology

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCI330; and (CHEM231 and CHEM232; or must have completed CHEM233). Or permission of CMNS-Biological Sciences UG Program.*

*A study of the cardiovascular, hemopoietic, gastrointestinal, renal and respiratory systems. Chemical and endocrine regulation of physiological functions in mammals. Course does not count as an upper level lab for BIOL majors (see BSCI441).*

(Sponsoring Dept.: BIOL). Applies to Biological Sciences Specialization Areas: PHNB and GENB. BSCI 440 is a lecture/discussion format course. The laboratory is offered separately as BSCI 441.

|      |                       |                          |
|------|-----------------------|--------------------------|
| 0101 | Joshua Singer         | Seats (Total: 30)        |
|      | MWF 10:00am - 10:50am | ESJ 0224                 |
|      | M 11:00am - 12:50pm   | BPS 0283      Discussion |
| 0102 | Joshua Singer         | Seats (Total: 30)        |
|      | MWF 10:00am - 10:50am | ESJ 0224                 |
|      | M 2:00pm - 3:50pm     | BPS 1236      Discussion |
| 0103 | Joshua Singer         | Seats (Total: 30)        |
|      | MWF 10:00am - 10:50am | ESJ 0224                 |
|      | M 2:00pm - 3:50pm     | BPS 1238      Discussion |
| 0104 | Joshua Singer         | Seats (Total: 30)        |
|      | MWF 10:00am - 10:50am | ESJ 0224                 |
|      | W 11:00am - 12:50pm   | BPS 0283      Discussion |
| 0106 | Joshua Singer         | Seats (Total: 30)        |
|      | MWF 10:00am - 10:50am | ESJ 0224                 |
|      | M 11:00am - 12:50pm   | BPS 1228      Discussion |
| 0107 | Joshua Singer         | Seats (Total: 30)        |
|      | MWF 10:00am - 10:50am | ESJ 0224                 |
|      | Tu 8:00am - 9:50am    | BPS 1232      Discussion |

|      |                       |                   |  |            |
|------|-----------------------|-------------------|--|------------|
| 0108 | Joshua Singer         | Seats (Total: 30) |  |            |
|      | MWF 10:00am - 10:50am | ESJ 0224          |  |            |
|      | Th 8:00am - 9:50am    | BPS 1228          |  | Discussion |

## **BSCI441 Mammalian Physiology Laboratory**

Credits: 2                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have completed or be concurrently enrolled in BSCI440.*

*Laboratory exercises in experimental mammalian physiology.*

(Sponsoring Dept.: BIOL). Applies to Biological Sciences Specialization Areas: PHNB and GENB.  
Students must pay a \$40.00 laboratory materials fee.

|      |                     |                   |  |     |
|------|---------------------|-------------------|--|-----|
| 0101 | Hilary Bierman      | Seats (Total: 20) |  |     |
|      | M 12:00pm - 12:50pm | BPS 1243          |  |     |
|      | M 2:00pm - 5:50pm   | PLS 1181          |  | Lab |
| 0102 | Hilary Bierman      | Seats (Total: 20) |  |     |
|      | M 12:00pm - 12:50pm | BPS 1243          |  |     |
|      | Tu 2:00pm - 5:50pm  | PLS 1181          |  | Lab |
| 0103 | Hilary Bierman      | Seats (Total: 20) |  |     |
|      | M 12:00pm - 12:50pm | BPS 1243          |  |     |
|      | W 2:00pm - 5:50pm   | PLS 1181          |  | Lab |
| 0104 | Hilary Bierman      | Seats (Total: 20) |  |     |
|      | M 12:00pm - 12:50pm | BPS 1243          |  |     |
|      | Th 2:00pm - 5:50pm  | PLS 1181          |  | Lab |

## **BSCI443 Microbial Physiology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in BSCI223. And minimum grade of C- in BCHM461; or minimum grade of C- in BCHM463.*

*Microbial cellular and population growth. Fermentation metabolism, physiology of anaerobiosis, and energy conservation and transformation in bacterial membranes. Efficiency of energy utilization for growth. Membrane structure and transport. Bacterial chemotaxis. Regulation of bacterial chromosome replication, RNA and protein synthesis. Control of metabolic pathways.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Steven Hutcheson     | Seats (Total: 50) |
|      | MW 11:00am - 12:15pm | MCB 1207          |

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### **BSCI447      General Endocrinology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCI330, CHEM241, and CHEM242.*

*Functions and dysfunctions of the endocrine system with special reference to mammals.*

(Sponsoring DEPT.: BIOL). Specialization Areas: PHNB and GENB.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Justicia Opoku-Edusei | Seats (Total: 70) |
|      | MWF 10:00am - 10:50am | BPS 1243          |

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### **BSCI452      Diseases of the Nervous System**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in BSCI330; and minimum grade of C- in BSCI353. Also offered as: NACS728, BIOL708. Credit only granted for: BSCI452, BSCI338N, BIOL708E, or NACS728N. Formerly: BSCI338N.*

*An advanced course covering the neuroanatomy, function, and organization of the nervous system and its implication for pathology and disease.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Quentin Gaudry        | Seats (Total: 35) |
|      | TuTh 12:30pm - 1:45pm | PLS 1130          |

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### **BSCI454      Neurobiology Laboratory**

Credits: 1                      Grading Method: Regular

*Prerequisite: Minimum grade of C- in BSCI330; and must have completed or be concurrently enrolled in BSCI353; and must have completed or be concurrently enrolled in PHYS122, PHYS132, or PHYS142.*

*Basic neuroanatomical techniques, intracellular and extracellular recordings of electrical potentials from nerve and muscle.*

(Sponsoring Dept.: BIOL). Specialization areas: CEBG, PHNB, and GENB. Students must pay a \$40.00 laboratory materials fee.

|      |                    |                   |     |
|------|--------------------|-------------------|-----|
| 0101 | Hilary Bierman     | Seats (Total: 20) |     |
|      | M 2:00pm - 5:00pm  | BPS 0257          | Lab |
| 0102 | Hilary Bierman     | Seats (Total: 20) |     |
|      | Tu 2:00pm - 5:00pm | BPS 0257          | Lab |
| 0103 | Hilary Bierman     | Seats (Total: 20) |     |
|      | W 2:00pm - 5:00pm  | BPS 0257          | Lab |

## BSCI467

### Freshwater Biology

Credits: 4                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: Permission of CMNS-Biological Sciences UG Program.*

*Biology and ecology of freshwater invertebrates in lotic and lentic habitats, their adaptation to aquatic life, their function in aquatic ecosystems, and their relationship to environmental deterioration. Laboratory will include field trips, demonstrations, and identifications.*

Specialization Areas: ECEV and GENB. There is a \$40.00 lab fee for this course.

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0101 | William Lamp        | Seats (Total: 24) |     |
|      | MWF 1:00pm - 1:50pm | BPS 0283          |     |
|      | W 2:00pm - 5:00pm   | PLS 1161          | Lab |
| 0102 | William Lamp        | Seats (Total: 24) |     |
|      | MWF 1:00pm - 1:50pm | BPS 0283          |     |
|      | Th 2:00pm - 5:00pm  | PLS 1161          | Lab |

## BSCI471

### Molecular Evolution

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCI222; or permission of CMNS-Biology department.*

*Patterns of DNA sequence variation within and between species, caused by nucleotide changes and the movement of transposable elements. Theories of molecular evolution, such as the neutral theory. Molecular clock hypothesis: its importance as a practical empirical tool in molecular genetics and systematics and its theoretical foundation.*

|      |                       |                   |  |
|------|-----------------------|-------------------|--|
| 0101 | Michael Cummings      | Seats (Total: 25) |  |
|      | TuTh 12:30pm - 1:45pm | BPS 1238          |  |

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**BSCI497 Insect Pests of Ornamentals and Turf**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*The recognition, biology and management of insects and mites injurious to ornamental shrubs, trees, greenhouse crops, and turf. Emphasis on Integrated Pest Management (IPM).*

|      |                                      |                                   |
|------|--------------------------------------|-----------------------------------|
| 0101 | Paula Shrewsbury, Rebecca Waterworth | Seats (Total: 24)                 |
|      | TuTh 9:30am - 10:45am                | PLS 1111                          |
|      | M 1:00pm - 4:00pm                    | PLS 1161                      Lab |

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**BSCV CIVICUS**

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**Fall 2017****BSCV181 Civicus Student and the University**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Freshman standing; and must be in the Civicus program. Credit only granted for: BSOS181 or BSCV181. Formerly: BSOS181.*

*Knowledge and skills designed to utilize CIVICUS to enhance the college experience and preparation for civic engagement.*

|      |                                |                   |
|------|--------------------------------|-------------------|
| 0101 | Julie Randolph, Gwen Hambright | Seats (Total: 27) |
|      | M 2:00pm - 3:45pm              | SOM 0101          |
| 0201 | Gwen Hambright                 | Seats (Total: 26) |
|      | M 12:00pm - 1:45pm             | SOM 0101          |

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**BSCV191 Introduction to Civicus**

Credits: 3                      Grading Method: Regular

*Restriction: Must be in the Civicus program. Credit only granted for: BSCV191 or BSOS191. Formerly: BSOS191.*

*An introduction to the social and historical foundations of a civil society. An examination of the roles of individuals, groups, social institutions and community services.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Korey Rothman         | Seats (Total: 27) |
|      | TuTh 9:30am - 10:45am | SOM 0101          |
| 0201 | Korey Rothman         | Seats (Total: 27) |
|      | TuTh 2:00pm - 3:15pm  | SOM 0101          |

**BSCV301****Leadership in a Multicultural Society**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCV191, SOCY105, and BSCV181. Restriction: Sophomore standing or higher. Credit only granted for: BSOS301 or BSCV301. Formerly: BSOS301.*

*A study and application of skills, historical context, theories, and concepts for constructive leadership in a pluralistic, multicultural, and diverse society. Social science methodologies and theories will provide the structure for the study of contemporary social problems, civil society issues, and leadership practices.*

|      |   |                               |
|------|---|-------------------------------|
| 0201 | Nicole Mehta<br>TuTh 11:00am - 12:15pm  | Seats (Total: 25)<br>SOM 0101 |
| 0301 | Julie Randolph<br>TuTh 12:30pm - 1:45pm | Seats (Total: 25)<br>SOM 0101 |

**BSGC****Global Communities****Fall 2017****BSGC100****The Student in the University: Global Communities**

(Perm req)

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be enrolled in Global Communities Living-Learning Program. By Permission Only (BPO).*

*Students will develop a sense of community within the program, become familiar with campus resources, gain skills and information to prepare for the Global Experience Semester, and explore the surrounding international community.*

|      |  |                                    |
|------|--|------------------------------------|
| 0101 | Kenya Graham<br>Tu 9:30am - 10:45am            | Seats (Total: 22)<br>Location: TBA |
| 0102 | Natalie Vinski Ibrahim<br>Tu 11:00am - 12:15pm | Seats (Total: 22)<br>Location: TBA |
| 0103 | Jazmin Pichardo<br>Tu 2:00pm - 3:15pm          | Seats (Total: 22)<br>Location: TBA |
| 0104 | Jeremy Gombin-Sperling<br>Tu 12:30pm - 1:45pm  | Seats (Total: 21)<br>Location: TBA |

**BSGC101****Globalization**

(Perm req)

Credits: 3

Grading Method: Regular

CORE: SB

General Education: DSHS,  
SCIS*Restriction: Must be in Global Communities Living-Learning program.**An interdisciplinary exploration of the historical evolution and contemporary significance of growing interconnectedness in the world. We debate different perspectives on globalization and its impact on social, political, economic and cultural issues.*

|      |  |  |            |
|------|--|--|------------|
| 0101 | Virginia Haufler<br>Tu 3:30pm - 4:45pm<br>Th 9:30am - 10:45am  | Seats (Total: 20)<br>TWS 1310<br>Location: TBA | Discussion |
| 0102 | Virginia Haufler<br>Tu 3:30pm - 4:45pm<br>Th 11:00am - 12:15pm | Seats (Total: 21)<br>TWS 1310<br>Location: TBA | Discussion |
| 0103 | Virginia Haufler<br>Tu 3:30pm - 4:45pm<br>Th 2:00pm - 3:15pm   | Seats (Total: 20)<br>TWS 1310<br>Location: TBA | Discussion |
| 0104 | Virginia Haufler<br>Tu 3:30pm - 4:45pm<br>Th 3:30pm - 4:45pm   | Seats (Total: 17)<br>TWS 1310<br>Location: TBA | Discussion |

**BSGC302****BSGC 302 Capstone: Global Connections**

(Perm req)

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit*Restriction: Must be in Global Communities Living-Learning program. By permission only (BPO).**Additional information: This course is limited to second-year students in the Global Communities Living-Learning Program who have completed or are in the midst of completing their Global Experience requirement.**Final component of the Global Communities curriculum. The course connects the global experience with previous BSGC coursework.*

|      |  |                             |
|------|--|-----------------------------|
| 0101 | Virginia Haufler<br>Class time/details on ELMs | Seats (Total: 10)<br>ONLINE |
|------|--|-----------------------------|

**BSGC399****Topical Investigations in Global Communities**



(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Variable from 1-3 credits and repeatable up to 6 if content varies.*

0101

Virginia Haufler

Seats (Total: 10)

Class time/details on ELMs

ONLINE

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## BSOS

## Behavioral and Social Sciences

## Fall 2017

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### BSOS248A

#### Leadership Seminar I; Ambassadors

(Perm req)

Credits: 2

Grading Method: Regular,  
Pass-Fail, Audit

*A topics course in the behavioral and social sciences designed to develop student leaders with skills that will address important issues of the college and offers diverse viewpoints intended to challenge common perceptions of leadership, technology programs and communication.*

**Contact department for information to register for this course.**

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### BSOS248D

#### Leadership Seminar I; Dean's Student Advisory Council

(Perm req)

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit

*A topics course in the behavioral and social sciences designed to develop student leaders with skills that will address important issues of the college and offers diverse viewpoints intended to challenge common perceptions of leadership, technology programs and communication.*

**Contact department for information to register for this course.**

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### BSOS248P

#### Leadership Seminar I; Peer Mentor Seminar I

(Perm req)

Credits: 1

Grading Method: Regular

*A topics course in the behavioral and social sciences designed to develop student leaders with skills that will address important issues of the college and offers diverse viewpoints intended to challenge common perceptions of leadership, technology programs and communication.*

**Contact department for information to register for this course.**

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### BSOS258D

#### Leadership Practicum I; Dean's Student Advisory Council

(Perm req)

Credits: 2

Grading Method: Regular,  
Pass-Fail, Audit

*This course puts into practice the elements and skills learned in the seminar series that directly benefit the college.*

**Contact department for information to register for this course.**

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**BSOS258L Leadership Practicum I; DSAC Officers**  
(Perm req) Credits: 1 Grading Method: Regular

*This course puts into practice the elements and skills learned in the seminar series that directly benefit the college.*

Repeatable to 9 credits.

**Contact department for information to register for this course.**

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**BSOS258P Leadership Practicum I; Peer Mentors**  
(Perm req) Credits: 1 Grading Method: Regular,  
Pass-Fail, Audit

*This course puts into practice the elements and skills learned in the seminar series that directly benefit the college.*

**Contact department for information to register for this course.**

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**BSOS288I Special Topics in Behavioral and Social Sciences; Internship Practicum in the Social Sciences**  
(Perm req) Credits: 1-3 Grading Method: Regular,  
Pass-Fail, Audit

*Introductory special topics course focusing on an interdisciplinary topic related to behavioral and social sciences.*

**Contact department for information to register for this course.**

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**BSOS288V Special Topics in Behavioral and Social Sciences; Technology Apprentice Program**  
(Perm req) Credits: 3 Grading Method: Regular,  
Pass-Fail, Audit

*Introductory special topics course focusing on an interdisciplinary topic related to behavioral and social sciences.*

Restricted to BSOS students. Technical skills and pedagogical basics needed to support faculty uses of technology in the classroom. Web publishing, academic website development, creating/using digitized media, electronic presentation tools, and discussion group facilitation. The class will usually meet face-to-face for two and one-half hours per week; however, three or four times per semester, the class will meet online instead. Students will interact and be assessed on their participation in an online environment. For permission to enroll or more information, please contact margaret Weber at [mweber@bsos.umd.edu](mailto:mweber@bsos.umd.edu).

**Contact department for information to register for this course.**

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**BSOS289I Playing the Market: Managing Risk and Using Technical Analysis**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB      General Education: DSHS, DSSP, SCIS

Through readings, class discussion, guest lecturers, and a simulated portfolio construction and class trading competition, this course will introduce students to investing and trading, with special emphasis on the field of technical analysis. The technical approach to the markets focuses largely on the analysis of price and volume patterns as indicators of stock trends. Students will learn how to evaluate companies using internet sources and a technical analysis program. Each student will be expected to use a set of trading rules to apply to their trading of a virtual \$100,000 margin portfolio and to manage risk. Students will develop an accurate view of the risks and benefits of trading stocks and an appreciation of the complexities involved in the technical approach to trading stocks. The course assumes no prior knowledge of the stock market.

|   |                             |                    |
|---|-----------------------------|--------------------|
| FC01  | Eric Wish, David McCandlish | Seats (Total: 119) |
|   | F 9:30am - 12:30pm          | SHM 2102           |
| <i>Restricted to students in Freshmen Connection.</i> |                             |                    |

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**BSOS355      Social Sciences Internship Practicum**

(Perm req)

Credits: 3      Grading Method: Regular      General Education: DSSP

*Restriction: Must have earned a minimum of 60 credits; and minimum cumulative GPA of 2.5; and must have completed at least 1 semester at UMD. Credit only granted for: BSOS388I or BSOS355. Formerly: BSOS388I.*

*BSOS 355 is an internship course open to all majors. It will enable students to articulate and apply the scholarship from the discipline related to their specific internship placement into a real-work environment.*

**Contact department for information to register for this course.**

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**BSOS358A      Leadership Practicum II; Ambassadors**

(Perm req)

Credits: 1      Grading Method: Regular, Pass-Fail, Audit

*This course puts into practice the advanced skills and elements learned in the seminar series that directly benefit the college.*

**Contact department for information to register for this course.**

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**BSOS358P      Leadership Practicum II; Peer Mentors**

(Perm req)

Credits: 1      Grading Method: Regular, Pass-Fail, Audit

*This course puts into practice the advanced skills and elements learned in the seminar series that directly benefit the college.*

**Contact department for information to register for this course.**

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**BSOS386****Experiential Learning**

(Perm req)

Credits: 3-6      Grading Method: Regular,  
Pass-Fail**Contact department for information to register for this course.**

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**BSOS388A****Behavioral and Social Sciences Special Topics; Editorial Skills and Research Methods**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit*Advanced special topics course focusing on an interdisciplinary topic related to the Behavioral and Social Sciences.***Contact department for information to register for this course.**

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**BSOS388E****Behavioral and Social Sciences Special Topics; CIDCM Minor Practicum**

(Perm req)

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit*Advanced special topics course focusing on an interdisciplinary topic related to the Behavioral and Social Sciences.***Contact department for information to register for this course.**

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**BSOS388F****Behavioral and Social Sciences Special Topics; Innovation in the Public Sector**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit*Advanced special topics course focusing on an interdisciplinary topic related to the Behavioral and Social Sciences.*

Prerequisite: PSYC100, GVPT100 or ECON200. Also offered as GVPT388B. Credit will be granted for BSOS388f or GVPT 388B. How does innovation occur in the public sector? How can government serve as a catalyst for problem-solving? Using the tools of innovation and entrepreneurship, this laboratory course engages students in a semester-long project to innovate change around a specific public sector issue or industry in our local or regional community. Some examples might include: public broadband access, sustainability infrastructure, transportation improvements, or health care access in the College Park, Prince George's, or Maryland communities. Lead instructor Ken Ulman,'97 is the former Howard County Executive who now heads the University's efforts to transform College Park into one of the most innovative university towns in the country. For permission to register, email [bsos-ugdean@umd.edu](mailto:bsos-ugdean@umd.edu) with your name, UID and brief statement of why this course is of interest of you.

0101

Kenneth Ulman, Samantha O'Neil

Seats (Total: 20)

W 4:00pm - 6:30pm

CHT 2113

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|                 |  |  |
|-----------------|--|--|
| <b>BSOS388M</b> | <b>Behavioral and Social Sciences Special Topics; Social Science Independent Research</b>  |  |
| (Perm req)      | Credits: 3   | Grading Method: Regular,<br>Pass-Fail, Audit |
|                 | <i>Advanced special topics course focusing on an interdisciplinary topic related to the Behavioral and Social Sciences.</i>                                      |  |
|                 | <b>Contact department for information to register for this course.</b>   |  |
| <hr/>           |  |  |
| <b>BSOS388P</b> | <b>Behavioral and Social Sciences Special Topics; PULSAR Research Seminar; Maryland Language Science Center</b>  |  |
| (Perm req)      | Credits: 1   | Grading Method: Regular                      |
|                 | <i>Advanced special topics course focusing on an interdisciplinary topic related to the Behavioral and Social Sciences.</i>                                      |  |
|                 | For students in the PULSAR program.  |  |
|                 | <b>Contact department for information to register for this course.</b>   |  |
| <hr/>           |  |  |
| <b>BSOS388Q</b> | <b>Behavioral and Social Sciences Special Topics; Cesar Directed Study</b>   |  |
| (Perm req)      | Credits: 3   | Grading Method: Regular,<br>Pass-Fail, Audit |
|                 | <i>Advanced special topics course focusing on an interdisciplinary topic related to the Behavioral and Social Sciences.</i>                                      |  |
|                 | <b>Contact department for information to register for this course.</b>   |  |
| <hr/>           |  |  |
| <b>BSOS388R</b> | <b>Behavioral and Social Sciences Special Topics; PULSAR Research Practicum; Maryland Language Science Center</b>  |  |
| (Perm req)      | Credits: 1-3   | Grading Method: Regular                      |
|                 | <i>Advanced special topics course focusing on an interdisciplinary topic related to the Behavioral and Social Sciences.</i>                                      |  |
|                 | For students in the PULSAR program.  |  |
|                 | <b>Contact department for information to register for this course.</b>   |  |
| <hr/>           |  |  |
| <b>BSOS399</b>  | <b>Directed Study in Behavioral and Social Sciences</b>  |  |
|                 | Credits: 1-6   | Grading Method: Regular,<br>Pass-Fail, Audit |
|                 | <i>Guidance for the advanced student capable of interdisciplinary study on special projects under the supervision of the Assistant Dean for Student Affairs.</i> |  |
|                 | <b>Contact department for information to register for this course.</b>   |  |

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**BSOS399B      Directed Study in Behavioral and Social Sciences; Directed Research in International Development**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Guidance for the advanced student capable of interdisciplinary study on special projects under the supervision of the Assistant Dean for Student Affairs.*

**Contact department for information to register for this course.**

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**BSOS399P      Directed Study in Behavioral and Social Sciences; Undergraduate Research**

(Perm req)

Credits: 1-6                      Grading Method: Regular

*Guidance for the advanced student capable of interdisciplinary study on special projects under the supervision of the Assistant Dean for Student Affairs.*

**Contact department for information to register for this course.**

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**BSOS399T      Directed Study in Behavioral and Social Sciences; Civicus Teaching Assistant**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Guidance for the advanced student capable of interdisciplinary study on special projects under the supervision of the Assistant Dean for Student Affairs.*

**Contact department for information to register for this course.**

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**BSOS448C      Teaching Assistant Practicum; Civicus**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Supervised practicum for teaching assistants for BSOS/UNIV courses.*

**Contact department for information to register for this course.**

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**BSOS448I      Teaching Assistant Practicum; Internship**

(Perm req)

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Supervised practicum for teaching assistants for BSOS/UNIV courses.*

**Contact department for information to register for this course.**

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**BSOS448T      Teaching Assistant Practicum; (UNIV)**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Supervised practicum for teaching assistants for BSOS/UNIV courses.*

**Contact department for information to register for this course.**

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**BSOS448W Teaching Assistant Practicum; Global Communities**

(Perm req)

Credits: 3                      Grading Method: Regular

*Supervised practicum for teaching assistants for BSOS/UNIV courses.*

Repeatable to 6 credits, if content differs.

|   |                  |                  |
|---|------------------|------------------|
| 0101  | Virginia Haufler | Seats (Total: 5) |
| Contact instructor or department for details. |                  |                  |

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**BSOS678C Special Topics in Justice Leadership; Criminal Procedure Law**

Credits: 3                      Grading Method: Regular,  
Audit

*Crime and Criminal Justice in Vietnam. Issues that will be focused on the present situation of crime in Vietnam; causes and conditions of criminal activities; include crime forecasting and crime prevention in Vietnam. Also, provides comprehensive overview on the Criminal Justice System in Vietnam and relations among authorities.*

**Contact department for information to register for this course.**

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**BSST Terrorism Studies**

**Fall 2017**

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**BSST240 Understanding The Principles and Perils of CBRN Weapons**

Credits: 3                      Grading Method: Regular                      General Education: DSNL (if  
taken with BSST241), DSNS

*Additional information: If taken in the same term as BSST241 these courses will count for General Education Natural Sciences Lab.*

*Explores the 'dark side' of scientific applications. Students will gain an understanding of CBRN Weapons, through the exploration of the scientific method, and certain fundamental principles of chemistry, biology, and physics. Students will also learn how to test hypotheses, use basic statistics, interpret results, and apply their new knowledge through discussions of practical applications in the domains of public health, emergency management, epidemiology, and threat assessment. Bringing these fields together in one class will allow students to better understand the use of and threat from CBRN weapons in terrorism.*

|      |   |                   |
|------|---|-------------------|
| FC01 | Steve Sin, Cory Davenport, Gary Ackerman              | Seats (Total: 20) |
|      |   |                   |
|      | TuTh 6:00pm - 7:15pm                                  | JMZ 3203          |
|      | <i>Restricted to students in Freshmen Connection.</i> |                   |

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**BSST241      Understanding the Principles and Perils of CBRN Weapons (Lab)**

Credits: 1      Grading Method: Regular

*Corequisite: BSST240. Additional information: This is an optional 1-credit lab course offered in coordination with BSST240. If taken in the same term as BSST240 these courses will count for General Education Natural Sciences Lab.*

*An exploration of the threat of Chemical, Biological, Radiological, and Nuclear (CBRN) weapons aimed to provide students with a basic, multidisciplinary, natural science foundation in chemistry, biology, and physics.*

|      |   |                   |     |
|------|---|-------------------|-----|
| FC01 | Gary Ackerman, Cory Davenport, Steve Sin              | Seats (Total: 20) |     |
|      | F 10:00am - 12:30pm                                   | ATL 1410          | Lab |
|      | <i>Restricted to students in Freshmen Connection.</i> |                   |     |

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**BSST288R      Special Topics in Terrorism Studies; Special Topics in Terrorism Studies: Global Terrorism in the Twentieth and Twenty-First Century**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.*

|      |  |                  |
|------|--|------------------|
| 0101 | Howard Smead   | Seats (Total: 5) |
|      | M 4:00pm - 6:30pm  | TLF 1103         |
|      | <i>To obtain permission to register for this course, send a copy of your resume and unofficial transcript to <a href="mailto:toeducation@start.umd.edu">toeducation@start.umd.edu</a>. Include BSST288R in the subject line of your email.</i> |                  |

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**BSST327      Introduction to Terrorism and the Terrorist Threat**

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit



*Recommended: It is recommended that BSST330 be taken in the same semester as as BSST329.  
Restriction: Restricted to students enrolled in the Global Terrorism Minor (#BS07). Credit only granted for: BSST327 OR BSST399K. Formerly: BSST399K.*

*This course focuses on bringing current events and policy issues related to terrorism and counterterrorism, as they are discussed in mass media, into the dialogue with academic theories and research. Through a discussion-based seminar, students will bring current, terrorism-related events to classroom discussion, where they will consider the media-framed current events in relation to academic research. Students will be continually challenged to draw connections between terrorism-related events in the news and relevant academic research.*

|   |                    |                   |
|---|--------------------|-------------------|
| 0101  | William Braniff    | Seats (Total: 35) |
|   | Th 3:30pm - 5:10pm | Location: TBA     |
| <i>Meets bi-weekly at START Office located at 8400 Baltimore Avenue, Suite 250.</i> |                    |                   |

## **BSST330 Terrorist Motivations and Behaviors**

Credits: 3                      Grading Method: Regular

*Restriction: Must be in the Global Terrorism minor; or special permission available for students in other Global Studies minors.*

*Explores theories explaining the formation of terrorist groups and the motivations behind terrorist behavior, building upon theories from social psychology, sociology, political science, criminology, and history.*

|  |                    |                   |
|--|--------------------|-------------------|
| 0101   | Amy Pate           | Seats (Total: 40) |
|  | Tu 3:30pm - 6:15pm | TYD 2102          |
| <i>Restricted to students in the Global Terrorism Minor(#BS07); to obtain permission email education@start.umd.edu.</i>  |                    |                   |
| 0201   | Amy Pate           | Seats (Total: 5)  |
|  | Tu 3:30pm - 6:15pm | TYD 2102          |
| <i>Restricted to students in one of the following minors: International Development &amp; Conflict Mgmt minor (#BS02), Global Poverty minor (#AG06), or International Engineering minor (#EN01); to obtain permission email education@start.umd.edu with your name and which Global Studies program in which you are enrolled.</i> |                    |                   |

## **BSST334 States of Emergency**

Credits: 3                      Grading Method: Regular,                      General Education: DSHS,  
Pass-Fail, Audit                      SCIS

*Students will explore the manner in which crises unfold from the perspective of a variety of emergency response disciplines, including: emergency management, law enforcement, intelligence analysis, cyber analysis, risk communication, health and human services, and emergency psychiatry/psychology. Students will participate in a semester-long simulation of an unfolding terrorist attack.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Katherine Izsak     | Seats (Total: 40) |
|      | Tu 12:30pm - 1:45pm | ESJ 1202          |
|      | Th 12:30pm - 1:45pm | ONLINE Discussion |
| 0102 | Katherine Izsak     | Seats (Total: 40) |
|      | Tu 12:30pm - 1:45pm | ESJ 1202          |
|      | Th 2:00pm - 3:15pm  | ONLINE Discussion |
| 0103 | Katherine Izsak     | Seats (Total: 40) |
|      | Tu 12:30pm - 1:45pm | ESJ 1202          |
|      | Th 3:30pm - 4:45pm  | ONLINE Discussion |

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### **BSST335 Innovations in Countering Violent Extremism**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      General Education: DVCC

*Credit only granted for: BSST335 or BSST338V. Formerly: BSST338V.*

*Develop solutions to community-based radicalization through a blend of entrepreneurial, Design Thinking strategies and terrorist disengagement theories. Students will design original programs targeting real-world, at-risk communities and present their programs to a panel of experts.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Peter Weinberger  | Seats (Total: 31) |
|      | M 2:00pm - 4:45pm | ESJ 1215          |
| 0201 | Peter Weinberger  | Seats (Total: 5)  |
|      | M 2:00pm - 4:45pm | ESJ 1215          |

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### **BSST338F Special Topics in Terrorism Studies; Media in War and Crisis**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.*

**Contact department for information to register for this course.**

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**BSST338G Special Topics in Terrorism Studies; Ideology and Social Conditions in the Making of Terrorism**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Mansoor Moaddel        | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | PLS 1172          |

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**BSST338I Special Topics in Terrorism Studies; Arab-Israeli Relations**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.*

**Contact department for information to register for this course.**

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**BSST338N Special Topics in Terrorism Studies; Arms Control in the Nuclear Realm**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.*

**Contact department for information to register for this course.**

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**BSST338R Special Topics in Terrorism Studies; Peace and Conflict Honors Seminar II: Regional Conflicts**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.*

**Contact department for information to register for this course.**

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**BSST340 Oral Communication for National Security Careers**

Credits: 3

Grading Method: Regular

General Education: FSOC

*Credit only granted for: BSST340 or BSST338E. Formerly: BSST338E.*

*Students will discuss perspectives on strategic communication and national security, while discussing and practicing public speaking skills and developing proficiency in three genres of security-related briefings. Students will work with the technical, scientific, and/or specialized data, vocabularies, processes, and products of the academic disciplines and/or fields of expertise relevant to national and international security careers.*

|   |                    |                   |
|---|--------------------|-------------------|
| FC01  | Holly Roberts      | Seats (Total: 25) |
|   | MW 6:00pm - 7:15pm | KNI 1103          |
| <i>Restricted to students in Freshmen Connection.</i> |                    |                   |

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**BSST386**      **Experiential Learning in Terrorism Studies**

(Perm req)

Credits: 1-5      Grading Method: Regular,  
Pass-Fail

*Repeatable to 10 credits.*

*This course will supplement student's experiential learning experience, or internship in the field of terrorism studies and homeland security with guided reflection on their experiences.*

|   |                            |                   |
|---|----------------------------|-------------------|
| 0101  | Elizabeth Wasden           | Seats (Total: 35) |
|   | Class time/details on ELMs | ONLINE            |
| <i>Registration by Departmental Permission Only</i> |                            |                   |

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**BSST399C**      **Individual Study in Terrorism Studies; Community Resilience Engagement and Dialogue Fellowship Career Development Part 4**

(Perm req)

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*An independent study course for students in the Global Terrorism Minor program.*

Restricted to students in the Community, Resilience, Engagement, and Dialogue Career Development Program.

|      |                            |                  |
|------|----------------------------|------------------|
| 0101 | Elizabeth Wasden           | Seats (Total: 4) |
|      | Class time/details on ELMs | ONLINE           |

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**BSST399G**      **Individual Study in Terrorism Studies; Independent Readings in Terrorism**

(Perm req)

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*An independent study course for students in the Global Terrorism Minor program.*

|   |                  |                  |
|---|------------------|------------------|
| 0101  | Elizabeth Wasden | Seats (Total: 1) |
| Contact instructor or department for details. |                  |                  |

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**BSST399T Individual Study in Terrorism Studies; Teaching Terrorism**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*An independent study course for students in the Global Terrorism Minor program.*

|   |                  |                  |
|---|------------------|------------------|
| 0201  | Amy Pate         | Seats (Total: 3) |
| Contact instructor or department for details. |                  |                  |
| 0301  | Mansoor Moaddel  | Seats (Total: 3) |
| Contact instructor or department for details. |                  |                  |
| 0401  | Katherine Izsak  | Seats (Total: 6) |
| Contact instructor or department for details. |                  |                  |
| 0501  | Peter Weinberger | Seats (Total: 2) |
| Contact instructor or department for details. |                  |                  |

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**BSST630 Motivations and Intents of Terrorists and Terrorist Groups**

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in the Terrorism Analysis Graduate Certificate Program. Credit only granted for: BSOS630 or BSST630. Formerly: BSOS630.*

*Examines motivations for terrorism from an interdisciplinary perspective, with emphasis on political and applied social psychological perspective. Topics may include: defining terrorism; preconditions; recruitment; domestic and international terrorism; and case studies and analysis of terrorist organizations.*

|  |                |                   |
|--|----------------|-------------------|
| ST01   | Cory Davenport | Seats (Total: 35) |
| <b>Meets August 28, 2017 - December 11, 2017</b> |                |                   |
| W 6:00pm - 8:30pm                                |                | ONLINE            |
| Class time/details on ELMs                       |                | ONLINE            |

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**BSST632 Development of Counterterrorism Policies and Programs**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Restriction: Must be in the Terrorism Analysis Graduate Certificate Program; or permission of department. Credit only granted for: BSOS632 or BSST632. Formerly: BSOS632.*

*Addresses the formulation, adoption, effectiveness, impacts, and afterlives of counterterrorism policies and programs.*

Admission to Terrorism Analysis Graduate Certificate Program required.

|      |  |                   |
|------|--|-------------------|
| ST01 | Peter Weinberger                                 | Seats (Total: 30) |
|      | <b>Meets August 28, 2017 - December 11, 2017</b> |                   |
|      | Tu 6:30pm - 9:00pm                               | ONLINE            |
|      | Class time/details on ELMs                       | ONLINE            |

**BUAC**

## **Accounting and Information Assurance**

**Fall 2017**

**BUAC743**

### **Financial Statement Analysis**

Credits: 2

Grading Method: Regular

*Prerequisite: BUSI610. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.*

*Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. This involves understanding and using the information that financial statements are communicating to users.*

|      |  |                   |
|------|--|-------------------|
| BA01 | Brent Solomon                                    | Seats (Total: 45) |
|      | <b>Meets October 23, 2017 - December 5, 2017</b> |                   |
|      | M 6:25pm - 10:00pm                               | Location: TBA     |
| DC01 | E Carr   | Seats (Total: 45) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b>  |                   |
|      | Tu 6:25pm - 10:20pm                              | DC C4             |

|      |   |                   |
|------|---|-------------------|
| DC06 | Nicholas Seybert  | Seats (Total: 45) |
|      | <b>Meets August 26, 2017 - October 14, 2017</b>           |                   |
|      | Sa 8:30am - 1:00pm  | DC C4             |
|      | Class time/details on ELMs                                | ONLINE            |
|      | <i>Meets 8/26, 9/9, 9/23, 10/7, Final 10/14. Blended.</i> |                   |

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**BUAC758A      Special Topics in Accounting and Information Assurance; Accounting for Social Value in Corporate America**

Credits: 2                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in accounting and information assurance.*

|      |   |                   |
|------|---|-------------------|
| BA01 | Samuel Handwerger                               | Seats (Total: 45) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                   |
|      | Th 6:25pm - 10:00pm                             | BA 103            |

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**BUAC758C      Special Topics in Accounting and Information Assurance; Financial Statement Analysis for Accountants and Auditors**

(Perm req)

Credits: 2                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in accounting and information assurance.*

|      |   |                  |
|------|---|------------------|
| 0501 | Hanna Lee                                       | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                  |
|      | TuTh 2:00pm - 3:50pm                            | VMH 1528         |
|      | <i>For MS in Accounting students only.</i>      |                  |
| 0502 | Hanna Lee                                       | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                  |
|      | MW 10:00am - 11:50am                            | TYD 0102         |
|      | <i>For MS in Accounting students only.</i>      |                  |

|      |   |                  |
|------|---|------------------|
| 0503 | Hanna Lee                                       | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                  |
|      | MW 12:00pm - 1:50pm                             | TYD 0102         |
|      | <i>For MS in Accounting students only.</i>      |                  |

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**BUAC758D      Special Topics in Accounting and Information Assurance; Tax VI: State and Local Taxation**

(Perm req)

Credits: 2                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in accounting and information assurance.*

|      |   |                  |
|------|---|------------------|
| 0501 | Samuel Handwerger                                 | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | MW 12:00pm - 1:50pm                               | VMH 2505         |
|      | <i>For MS in Accounting students only.</i>        |                  |

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**BUAC758I      Special Topics in Accounting and Information Assurance; Accounting for Mergers and Acquisitions**

(Perm req)

Credits: 2                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in accounting and information assurance.*

|      |   |                  |
|------|---|------------------|
| 0501 | Samuel Handwerger                                 | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | MW 4:00pm - 5:50pm                                | VMH 1520         |
|      | <i>For MS in Accounting students only.</i>        |                  |

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**BUAC758J      Special Topics in Accounting and Information Assurance; Enterprise Risk Management**

(Perm req)

Credits: 2                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in accounting and information assurance.*



|      |   |                                  |
|------|---|----------------------------------|
| 0501 | Matthew Gagnon, Alan Siegfried<br><b>Meets August 28, 2017 - October 16, 2017</b><br>M 6:25pm - 10:00pm<br><i>For MS in Accounting students only.</i> | Seats (Total: 0)<br><br>VMH 1303 |
| 0502 | Alan Siegfried, Matthew Gagnon<br><b>Meets August 28, 2017 - October 14, 2017</b><br>W 6:25pm - 10:00pm<br><i>For MS in Accounting students only.</i> | Seats (Total: 0)<br><br>VMH 1303 |

### BUAC758K

### Special Topics in Accounting and Information Assurance; Advanced Managerial Accounting and Control Systems

(Perm req)

Credits: 2

Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in accounting and information assurance.*

|      |  |                                  |
|------|--|----------------------------------|
| 0501 | Tharinda W Ranasinghe<br><b>Meets October 23, 2017 - December 14, 2017</b><br>TuTh 2:00pm - 3:50pm<br><i>For MS in Accounting students only.</i>   | Seats (Total: 0)<br><br>VMH 1528 |
| 0502 | Tharinda W Ranasinghe<br><b>Meets October 23, 2017 - December 14, 2017</b><br>TuTh 10:00am - 11:50am<br><i>For MS in Accounting students only.</i> | Seats (Total: 0)<br><br>VMH 1528 |
| 0503 | Tharinda W Ranasinghe<br><b>Meets October 23, 2017 - December 14, 2017</b><br>MW 8:00am - 9:50am<br><i>For MS in Accounting students only.</i>     | Seats (Total: 0)<br><br>VMH 1511 |

|      |   |                  |
|------|---|------------------|
| 0504 | Tharinda W Ranasinghe                             | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | MW 2:00pm - 3:50pm                                | VMH 1520         |
|      | <i>For MS in Accounting students only.</i>        |                  |

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**BUAC758L**
**Special Topics in Accounting and Information Assurance; Intermediate Accounting I**

(Perm req)

Credits: 2      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in accounting and information assurance.*

|      |   |                  |
|------|---|------------------|
| 0501 | Stephen Brown                                   | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b> |                  |
|      | MW 12:00pm - 1:50pm                             | VMH 2505         |
|      | <i>For MS in Accounting students only</i>       |                  |

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**BUAC758M**
**Special Topics in Accounting and Information Assurance; Intermediate Accounting II**

(Perm req)

Credits: 2      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in accounting and information assurance.*

|      |   |                  |
|------|---|------------------|
| 0501 | Stephen Brown                                     | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | MW 12:00pm - 1:50pm                               | VMH 1505         |
|      | <i>For MS in Accounting students only.</i>        |                  |

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**BUAC758N**
**Special Topics in Accounting and Information Assurance; Estates, Trusts, and Personal Finance Planning**

(Perm req)

Credits: 2      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in accounting and information assurance.*

|      |   |                  |
|------|---|------------------|
| 0501 | Thomas Kelley                                   | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b> |                  |
|      | MW 8:00am - 9:50am                              | VMH 1511         |
|      | <i>For MS in Accounting students only.</i>      |                  |

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**BUAC758Q      Special Topics in Accounting and Information Assurance; Research on Accounting and Economic Aspects of Cybersecurity**

(Perm req)

Credits: 2                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in accounting and information assurance.*

|      |   |                   |
|------|---|-------------------|
| 0501 | Lawrence Gordon                                   | Seats (Total: 36) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                   |
|      | TuTh 10:00am - 11:50am                            | VMH 1518          |
|      | <i>For MS in Accounting students only.</i>        |                   |

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**BUAC758T      Special Topics in Accounting and Information Assurance; Taxation of Individuals**

(Perm req)

Credits: 2                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in accounting and information assurance.*

|      |   |                  |
|------|---|------------------|
| 0501 | Alexander Ruygrok                               | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b> |                  |
|      | MW 5:00pm - 6:50pm                              | VMH 1336         |
|      | <i>For MS in Accounting students only.</i>      |                  |

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**BUAC758V      Special Topics in Accounting and Information Assurance; Taxation of Corporations and Other Entities**

(Perm req)

Credits: 2                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in accounting and information assurance.*

|      |   |                  |
|------|---|------------------|
| 0501 | Samuel Handwerger                                 | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | MW 10:00am - 11:50am                              | VMH 1518         |
|      | <i>For MS in Accounting students only.</i>        |                  |

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**BUAC759 Independent Study in Accounting and Information Assurance**

(Perm req)

Credits: 1-6      Grading Method: Regular

*Independent study for masters students in accounting and information assurance.*

**Contact department for information to register for this course.**

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**BUAC765 Business Ethics for Accountants and Auditors**

(Perm req)

Credits: 3      Grading Method: Regular

*Restriction: Must be in Business and Management (Master's) program.*

*Considers all facets of business ethics issues within an accounting and auditing context. Ethical theory, corporate social responsibility, and individual decision-making are considered. Some of the applied topics that may be covered in this course include, but are not limited to, intellectual property issues, corporate downsizing, outsourcing, global ethics, crises management, and employment ethics.*

|      |   |                  |
|------|---|------------------|
| 0501 | James Lager                                       | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | MW 7:00pm - 9:45pm                                | VMH 1333         |
|      | <i>For MS in Accounting students only.</i>        |                  |
| 0502 | James Lager                                       | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | TuTh 7:00pm - 9:45pm                              | VMH 1520         |
|      | <i>For MS in Accounting students only.</i>        |                  |
| 0503 | Jeffrey Milton                                    | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | TuTh 4:00pm - 6:45pm                              | VMH 1520         |
|      | <i>For MS in Accounting students only.</i>        |                  |

|      |   |                  |
|------|---|------------------|
| 0504 | Thomas Kelley                                     | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | MW 4:00pm - 6:45pm                                | VMH 1336         |
|      | <i>For MS in Accounting students only.</i>        |                  |

#### BUAC780

#### Financial Statement Analysis for Accountants and Auditors

(Perm req)

Credits: 3      Grading Method: Regular

*Restriction: Must be in Business and Management (Master's) program.*

*Provides a framework for using a firm's financial statements to perform a comprehensive analysis of the firm's operating performance, cash management, and financial position as well as to value the firm and to detect earning management. It includes an overview of the accounting and auditing standard setting framework, and the relevance of U.S. GAAP as well as International Financial Reporting Standards (IFRS) to accounting recognition, measurement, presentation, and disclosure. The course also identifies the analytical relevance of a selected set of more advanced accounting topics (e.g., valuing employee stock options).*

|      |   |                  |
|------|---|------------------|
| 0501 | Irene Kim                                       | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b> |                  |
|      | MW 8:00am - 10:45am                             | VMH 1418         |
|      | <i>For MS in Accounting students only.</i>      |                  |

#### BUAC784

#### Business Communications for Accountants and Auditors

(Perm req)

Credits: 2      Grading Method: Regular

*Restriction: Must be in Business and Management (Master's) program.*

*Focuses on the art of communication and its effects on people, organizations, and other stakeholders. The course will focus on two aspects of business communications: persuasion and effective presentations. The objective for the persuasion sessions is to have students improve upon their day-to-day oral business communications skills. This will be accomplished as participants learn to tailor each communication to the person or people with whom they are speaking.*

|      |   |                  |
|------|---|------------------|
| 0501 | Howard Weiner                                   | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b> |                  |
|      | MW 10:00am - 11:50am                            | VMH 2505         |
|      | <i>For MS in Accounting students only.</i>      |                  |

|      |  |                                  |
|------|--|----------------------------------|
| 0502 | Howard Weiner<br><b>Meets August 28, 2017 - October 16, 2017</b><br>MW 12:00pm - 1:50pm<br><i>For MS in Accounting students only.</i>  | Seats (Total: 0)<br><br>VMH 1505 |
| 0503 | Eugene Cantor<br><b>Meets August 28, 2017 - October 14, 2017</b><br>TuTh 8:00am - 9:50am<br><i>MS in Accounting students only.</i>     | Seats (Total: 0)<br><br>VMH 1330 |
| 0504 | Eugene Cantor<br><b>Meets August 28, 2017 - October 14, 2017</b><br>TuTh 6:00pm - 7:50pm<br><i>For MS in Accounting students only.</i> | Seats (Total: 0)<br><br>VMH 2505 |

## BUAC792

(Perm req)

## Forensic Accounting/Auditing

Credits: 3

Grading Method: Regular

*Restriction: Must be in Business and Management (Master's) program.*

*Provides a theoretical background and practical application of fraud examinations and corporate investigations. Fraud prevention, detection, investigation, and related matters such as courtroom procedures will be included. Also considered are topics such as FCPA and securities fraud. A wide variety of teaching tools are used.*

|      |  |                                  |
|------|--|----------------------------------|
| 0501 | Ariel Ramirez<br><b>Meets August 28, 2017 - October 14, 2017</b><br>TuTh 7:00pm - 9:45pm<br><i>For MS in Accounting students only.</i> | Seats (Total: 0)<br><br>VMH 1528 |
| 0502 | Ariel Ramirez<br><b>Meets August 28, 2017 - October 16, 2017</b><br>MW 7:00pm - 9:45pm<br><i>For MS in Accounting students only.</i>   | Seats (Total: 0)<br><br>VMH 1333 |

|      |   |                  |
|------|---|------------------|
| 0503 | Leonard Block                                   | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                  |
|      | TuTh 4:00pm - 6:45pm                            | VMH 1528         |
|      | <i>For MS in Accounting students only.</i>      |                  |

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## BUDT      Decision and Information Technologies      Fall 2017

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### BUDT732      Decision Analytics

Credits: 2      Grading Method: Regular

*Prerequisite: BUSI630. Credit only granted for: BMGT732 or BUDT732. Formerly: BMGT732.*

*Analytical modeling for managerial decisions using a spreadsheet environment. Includes linear and nonlinear optimization models, decision making under uncertainty and simulation models.*

|      |   |                   |
|------|---|-------------------|
| BA01 | Robert Hoffman                                    | Seats (Total: 45) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b>   |                   |
|      | Tu 6:25pm - 10:00pm                               | BA 103            |
| DC01 | Arnold Greenland                                  | Seats (Total: 45) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                   |
|      | W 6:25pm - 10:00pm                                | DC C1             |

### BUDT733      Data Mining and Predictive Analytics

Credits: 2      Grading Method: Regular

*Prerequisite: BUSI630. Credit only granted for: BMGT733 or BUDT733. Formerly: BMGT733.*

*Data mining techniques and their use in business decision making. A hands-on course that provides an understanding of the key methods of data visualization, exploration, classification, prediction, time series forecasting, and clustering.*

|      |   |                   |
|------|---|-------------------|
| DC01 | Arnold Greenland                                | Seats (Total: 45) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b> |                   |
|      | M 6:25pm - 10:00pm                              | DC C1             |

|      |   |                   |
|------|---|-------------------|
| DC06 | Wei Chen  | Seats (Total: 45) |
|      | <b>Meets October 21, 2017 - December 9, 2017</b>            |                   |
|      | Sa 8:30am - 1:00pm  | DC C1             |
|      | Class time/details on ELMs                                  | ONLINE            |
|      | <i>Meets 10/21, 11/4, 11/18, 12/2, Final 12/9. Blended.</i> |                   |

## BUDT758A

### Special Topics in Decision, Operations and Information Technologies; Business Communication

(Perm req)

Credits: 2

Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in decision, operations and information technologies.*

|      |  |                  |
|------|--|------------------|
| 0501 | Christine Schaaf                                   | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b>  |                  |
|      | Th 6:25pm - 10:00pm                                | VMH 1333         |
|      | <i>For MS in Business Analytics students only.</i> |                  |
| 0502 | Christine Schaaf                                   | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b>  |                  |
|      | Tu 6:25pm - 10:00pm                                | VMH 1333         |
|      | <i>For MS in Business Analytics students only.</i> |                  |

## BUDT758B

### Special Topics in Decision, Operations and Information Technologies; Big Data

Credits: 3

Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in decision, operations and information technologies.*

|      |   |                   |
|------|---|-------------------|
| 0501 | Anand Gopal, Guodong Gao                            | Seats (Total: 45) |
|      | <b>Meets August 28, 2017 - December 14, 2017</b>    |                   |
|      | MW 12:30pm - 1:45pm                                 | VMH 1335          |
|      | <i>For MS in Information Systems students only.</i> |                   |

## BUDT758C

### Special Topics in Decision, Operations and Information Technologies; Big Data



Credits: 2                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in decision, operations and information technologies.*

|      |   |                   |
|------|---|-------------------|
| DC01 | Guodong Gao, Anand Gopal                        | Seats (Total: 45) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                   |
|      | Tu 6:25pm - 10:00pm                             | DC C1             |

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**BUDT758I                      Special Topics in Decision, Operations and Information Technologies; Applied Finance Information Systems**

Credits: 3                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in decision, operations and information technologies.*

|      |   |                   |
|------|---|-------------------|
| 0501 | Leonard Mills                                       | Seats (Total: 45) |
|      | <b>Meets August 28, 2017 - December 5, 2017</b>     |                   |
|      | M 7:00pm - 9:45pm                                   | VMH 1528          |
|      | <i>For MS in Information Systems students only.</i> |                   |

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**BUDT758J                      Special Topics in Decision, Operations and Information Technologies; Management of Information Systems**

Credits: 3                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in decision, operations and information technologies.*

|      |   |                   |
|------|---|-------------------|
| 0501 | Barnet Corwin                                       | Seats (Total: 35) |
|      | <b>Meets August 28, 2017 - December 14, 2017</b>    |                   |
|      | W 5:00pm - 7:45pm                                   | VMH 1206          |
|      | <i>For MS in Information Systems students only.</i> |                   |

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**BUDT758M                      Special Topics in Decision, Operations and Information Technologies; Healthcare Information Systems**

Credits: 3                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in decision, operations and information technologies.*

|      |   |                   |
|------|---|-------------------|
| 0501 | Neil Sehgal   | Seats (Total: 45) |
|      | <b>Meets August 28, 2017 - December 14, 2017</b>    |                   |
|      | MW 8:00pm - 9:15pm                                  | VMH 1206          |
|      | <i>For MS in Information Systems students only.</i> |                   |

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**BUDT758P**
**Special Topics in Decision, Operations and Information Technologies; Decision Analytics**

Credits: 3                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in decision, operations and information technologies.*

|      |   |                   |
|------|---|-------------------|
| 0501 | Ilya Ryzhov   | Seats (Total: 45) |
|      | <b>Meets August 28, 2017 - December 14, 2017</b>    |                   |
|      | TuTh 8:00am - 9:15am                                | VMH 1520          |
|      | <i>For MS in Information Systems students only.</i> |                   |
| 0502 | Ilya Ryzhov   | Seats (Total: 45) |
|      | <b>Meets August 28, 2017 - December 14, 2017</b>    |                   |
|      | TuTh 9:30am - 10:45am                               | VMH 1520          |
|      | <i>For MS in Information Systems students only.</i> |                   |
| 0503 | Raghu Raghavan                                      | Seats (Total: 0)  |
|      | <b>Meets August 28, 2017 - December 14, 2017</b>    |                   |
|      | MW 5:00pm - 6:15pm                                  | VMH 1333          |
|      | <i>For MS in Business Analytics students only.</i>  |                   |

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**BUDT758R**
**Special Topics in Decision, Operations and Information Technologies; Operations and Supply Chain Strategy**

Credits: 2                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in decision, operations and information technologies.*

|      |  |                   |
|------|--|-------------------|
| GS01 | Zhi-Long Chen                                    | Seats (Total: 45) |
|      | <b>Meets October 23, 2017 - December 5, 2017</b> |                   |
|      | Tu 6:25pm - 10:00pm                              | BLD2 2032         |

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**BUDT758T      Special Topics in Decision, Operations and Information Technologies; Data Mining & Predictive Analysis**

Credits: 3                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in decision, operations and information technologies.*

For MS in Information Systems students only.

|      |   |                   |
|------|---|-------------------|
| 0501 | Kislaya Prasad                                      | Seats (Total: 38) |
|      | <b>Meets August 28, 2017 - December 14, 2017</b>    |                   |
|      | TuTh 11:00am - 12:15pm                              | VMH 1520          |
|      | <i>For MS in Information Systems students only.</i> |                   |

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**BUDT758Y      Special Topics in Decision, Operations and Information Technologies; Database Management Systems**

(Perm req)

Credits: 3                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in decision, operations and information technologies.*

|      |   |                  |
|------|---|------------------|
| 0501 | Woei-Jyh Lee  | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - December 14, 2017</b>    |                  |
|      | MW 2:00pm - 3:15pm                                  | VMH 1333         |
|      | <i>For MS in Information Systems students only.</i> |                  |
| 0502 | Woei-Jyh Lee  | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - December 14, 2017</b>    |                  |
|      | MW 3:30pm - 4:45pm                                  | VMH 1333         |
|      | <i>For MS in Information Systems students only.</i> |                  |

|      |  |                  |
|------|--|------------------|
| 0503 | Woei-Jyh Lee                                       | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - December 14, 2017</b>   |                  |
|      | W 7:00pm - 9:40pm                                  | VMH 1528         |
|      | <i>For MS in Business Analytics students only.</i> |                  |

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**BUDT758Z      Special Topics in Decision, Operations and Information Technologies; Data Networks and Infrastructures**

(Perm req)

Credits: 3                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in decision, operations and information technologies.*

|      |   |                  |
|------|---|------------------|
| 0501 | Krishnan Balakrishnan                               | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - December 14, 2017</b>    |                  |
|      | TuTh 3:30pm - 4:45pm                                | VMH 1333         |
|      | <i>For MS in Information Systems students only.</i> |                  |
| 0502 | Krishnan Balakrishnan                               | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - December 14, 2017</b>    |                  |
|      | TuTh 5:00pm - 6:15pm                                | VMH 1333         |
|      | <i>For MS in Information Systems students only.</i> |                  |

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**BUDT759      Independent Study in Decision and Information Technologies**

(Perm req)

Credits: 1-6                      Grading Method: Regular

*Independent study for masters students in decision and information technologies.*

**Contact department for information to register for this course.**

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**BUDT775      Pricing and Revenue Management**

Credits: 2                      Grading Method: Regular

*Prerequisite: BUSI630. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUDT758D or BUDT775. Formerly: BUDT758D.*

*Specialized course on pricing and revenue management (PRM) that provide students with tools and principles, drawn from several disciplines (Operations, Microeconomics, Decision Modeling, Statistics, Marketing, IS) to make effective pricing decisions. Topics covered include economics of pricing, strategy and tactics of PRM, pricing optimization, differentiated pricing, dynamic pricing, mark-down pricing, legal and ethical issues in models/methods used in making effective PRM decisions and managerial or organizational factors that hold the key to success in execution of PRM.*

|  |       |                   |
|--|-------|-------------------|
| DC01   | Yi Xu | Seats (Total: 45) |
| <b>Meets October 23, 2017 - December 5, 2017</b>       |       |                   |
| Tu 6:25pm - 10:00pm                                    |       | DC C1             |
| <i>The Final will be held on Tuesday, December 18.</i> |       |                   |

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## BUFN Finance Fall 2017

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### BUFN738 Investment Fund Management

(Perm req)

Credits: 3      Grading Method: Regular

*Provides second-year Master in Business Administration students with th opportunity to apply the skills learned in finance classes to actual investment decisions through management of an investment fund.*

|   |               |                   |
|---|---------------|-------------------|
| DC06  | Gurdip Bakshi | Seats (Total: 45) |
| <b>Meets August 26, 2017 - December 9, 2017</b>                     |               |                   |
| Sa 8:50am - 1:00pm  |               | DC C5             |
| <i>Meets 8/26, 9/9, 9/23, 10/7, 10/21, 11/4, 11/18, 12/2, 12/9.</i> |               |                   |

### BUFN740 Capital Markets

Credits: 2      Grading Method: Regular

*Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).*

*Designed to deepen the foundations necessary to finance focused students, especially those intending to specialize in the quantitative areas of finance including investments, fixed income, and financial engineering.*

|   |            |                  |
|---|------------|------------------|
| 0502  | Yajun Wang | Seats (Total: 0) |
| <b>Meets October 23, 2017 - December 14, 2017</b> |            |                  |
| MW 2:00pm - 3:50pm                                |            | VMH 1528         |
| <i>For MS in Finance Students only.</i>           |            |                  |

|      |   |  |
|------|---|--|
| DC01 | Geoffrey Tate<br><b>Meets August 28, 2017 - October 14, 2017</b><br>Th 6:25pm - 10:00pm   | Seats (Total: 45)<br><br>DC C1           |
| DC06 | Ceyed Baiju<br><b>Meets August 26, 2017 - October 14, 2017</b><br>Sa 2:00pm - 6:30pm<br>Class time/details on ELMs<br><br><i>Meets 8/26, 9/9, 9/23, 10/7, Final 10/14. Blended.</i> | Seats (Total: 45)<br><br>DC C1<br>ONLINE |
| GS01 | Geoffrey Tate<br><b>Meets August 28, 2017 - October 14, 2017</b><br>Tu 6:25pm - 10:00pm   | Seats (Total: 45)<br><br>BLD2 2062       |

## BUFN750

### Valuation in Corporate Finance

Credits: 2      Grading Method: Regular

*Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN714 or BUFN750. Formerly: BUFN714.*

*An advanced topics course in Corporate Finance dealing with valuation. Main topics will be, building pro forma statements, cost of capital, using ratios and comparables to value projects and firms, discounted cash flow valuations, WACC and APV methods of valuation and Real Option Valuations.*

|      |   |                                |
|------|---|--------------------------------|
| DC01 | James Seward<br><b>Meets August 28, 2017 - October 14, 2017</b><br>W 6:25pm - 10:00pm | Seats (Total: 45)<br><br>DC C1 |
|------|---|--------------------------------|

## BUFN751

### Financial Strategy For Corporations

Credits: 2      Grading Method: Regular

*Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).*

*An advanced course in corporate finance, focusing on the issues that firms face when they plan to raise external capital from financial markets. The focus is on the financing problems faced by mid-market to large firms and on capital raised from public markets. The forms of external finance vary from simple debt or equity to more complex securities that bundle with an element of risk management.*

|      |   |  |
|------|---|--|
| BA01 | James Seward<br><b>Meets October 23, 2017 - December 14, 2017</b><br>Th 6:25pm - 10:00pm  | Seats (Total: 45)<br><br>BA 103          |
| DC06 | James Seward<br><b>Meets October 21, 2017 - December 9, 2017</b><br>Sa 8:30am - 1:00pm<br>Class time/details on ELMs<br><br><i>Meets 10/21, 11/4, 11/18, 12/2, Final 12/9. Blended.</i> | Seats (Total: 45)<br><br>DC C2<br>ONLINE |
| GS01 | James Seward<br><b>Meets October 23, 2017 - December 5, 2017</b><br>M 6:25pm - 10:00pm  | Seats (Total: 45)<br><br>BLD2 2052       |

## BUFN752

### Financial Restructuring

Credits: 2      Grading Method: Regular

*Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN716 or BUFN752. Formerly: BUFN716.*

*Focuses on identifying ways to increase firm value through corporate restructuring. Specific topics include: mergers and tender offers, spin-offs, carve-outs, divestitures, takeover defense strategies, leveraged buy-outs, and international acquisitions. Additionally, the theory, practice and empirical evidence related to each of these topics will be covered. Emphasis will be placed on valuation analysis and strategic considerations.*

|      |   |                                  |
|------|---|----------------------------------|
| 0501 | Richmond Mathews<br><b>Meets August 28, 2017 - October 16, 2017</b><br>MW 12:00pm - 1:50pm<br><br><i>For Master of Finance students only.</i> | Seats (Total: 0)<br><br>VMH 1330 |
|------|---|----------------------------------|

|      |  |                   |
|------|--|-------------------|
| WW01 | Richmond Mathews   | Seats (Total: 25) |
|      | <b>Meets September 25, 2017 - November 2, 2017</b>                 |                   |
|      | M 4:30pm - 6:00pm  | ONLINE            |
|      | Class time/details on ELMs   | ONLINE            |
|      | <i>Synchronous online meetings 9/25, 10/2, 10/9, 10/23, 10/30.</i> |                   |

## BUFN754

### Corporate Risk Management

(Perm req)

Credits: 2      Grading Method: Regular

*Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).*

*Surveys the theory and practice of financial risk identification, measurement, and mitigation at financial and non-financial firms. Topics will include hedging with options and futures, interest rate risk management, Value-at-Risk (VaR), Cashflow-at-Risk (CaR), Earnings-at-Risk (EaR), credit risk, equity risk, commodities risk, exchange rate risk, and lessons from risk management disasters.*

|      |   |                  |
|------|---|------------------|
| 0501 | Clifford Rossi                                    | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | MW 10:00am - 11:50am                              | VMH 2505         |
|      | <i>For Master of Finance students only.</i>       |                  |
| 0502 | Clifford Rossi                                    | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | MW 12:00pm - 1:50pm                               | VMH 1330         |
|      | <i>For Master of Finance students only.</i>       |                  |

## BUFN755

### Entrepreneurial Finance and Private Equity

Credits: 2      Grading Method: Regular

*Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUSI647 or BUFN755. Formerly: BUSI647.*



*An advanced topics course in Corporate Finance. The major emphasis is how financiers help growing firms - and in particular young start-ups - using different types of securities at different points in the industry's and firm's life. Financing arrangements and securities studied will include private equity funds and private financings placements, Venture Capital (VC) and preferred equity, Investment Banks through Initial Public Offerings (IPOs), Private equity finds, debt and leveraged buyouts. Students will learn additional techniques that will help them understand how financiers value firms and how to understand, plan and value different financing strategies.*

|      |  |                   |
|------|--|-------------------|
| DC01 | Andrew Sherman                                   | Seats (Total: 45) |
|      | <b>Meets October 23, 2017 - December 5, 2017</b> |                   |
|      | Tu 6:25pm - 10:00pm                              | DC C2             |

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**BUFN758F      Special Topics in Finance; Experiential Learning Project**

Credits: 2                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in finance.*

**Contact department for information to register for this course.**

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**BUFN758J      Special Topics in Finance; Financial Mathematics**

Credits: 2                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in finance.*

|      |  |                  |
|------|--|------------------|
| 0502 | Gurdip Bakshi  | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b>        |                  |
|      | TuTh 4:00pm - 5:50pm                                     | VMH 1528         |
|      | <i>For Master of Quantitative Finance students only.</i> |                  |
| 0504 | Gurdip Bakshi  | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b>        |                  |
|      | W 6:25pm - 10:00pm                                       | VMH 1520         |
|      | <i>For Master of Quantitative Finance students only.</i> |                  |

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**BUFN758N      Special Topics in Finance; Financial Econometrics I**

(Perm req)

Credits: 2                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in finance.*

|      |   |                  |
|------|---|------------------|
| 0501 | Alberto Rossi                                   | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b> |                  |
|      | MW 8:00am - 9:50am                              | VMH 1528         |
|      | <i>For Master of Finance students only.</i>     |                  |
| 0502 | Alberto Rossi                                   | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b> |                  |
|      | MW 12:00pm - 1:50pm                             | VMH 1528         |
|      | <i>For Master of Finance students only.</i>     |                  |
| 0503 | Alberto Rossi                                   | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b> |                  |
|      | MW 10:00am - 11:50am                            | VMH 1528         |
|      | <i>For Master of Finance students only.</i>     |                  |

## BUFN7580

### Special Topics in Finance; Financial Econometrics II

(Perm req)

Credits: 2

Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in finance.*

|      |   |                  |
|------|---|------------------|
| 0501 | Alberto Rossi, Liu Yang                           | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | TuTh 12:00pm - 1:50pm                             | VMH 1330         |
|      | <i>For Master of Finance students only.</i>       |                  |
| 0502 | Liu Yang, Alberto Rossi                           | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | TuTh 10:00am - 11:50am                            | VMH 1330         |
|      | <i>For Master of Finance students only.</i>       |                  |

|      |   |                  |
|------|---|------------------|
| 0503 | Alberto Rossi, Liu Yang                           | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | TuTh 2:00pm - 3:50pm                              | VMH 1330         |
|      | <i>For Master of Finance students only.</i>       |                  |

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**BUFN758P      Special Topics in Finance; Advanced Capital Markets**

(Perm req)

Credits: 2                  Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in finance.*

|      |   |                  |
|------|---|------------------|
| 0501 | Yajun Wang  | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | MW 8:00am - 9:50am                                | VMH 1528         |
| 0502 | Yajun Wang  | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | MW 10:00am - 11:50am                              | VMH 1528         |

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**BUFN758V      Special Topics in Finance; Advanced Equity Modeling**

(Perm req)

Credits: 2                  Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in finance.*

|      |   |                   |
|------|---|-------------------|
| 0501 | Ryan Guttridge                                  | Seats (Total: 18) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b> |                   |
|      | MW 7:00pm - 8:50pm                              | VMH 1336          |
|      | <i>For Master of Finance students only.</i>     |                   |

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**BUFN758W      Special Topics in Finance; Applied Equity Modeling**

(Perm req)

Credits: 2                  Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in finance.*

|      |   |                   |
|------|---|-------------------|
| 0501 | Ryan Guttridge                                    | Seats (Total: 18) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                   |
|      | MW 7:00pm - 8:50pm                                | VMH 1336          |
|      | <i>For Master of Finance students only.</i>       |                   |

**BUFN758X**
**Special Topics in Finance; Market Microstructure**

(Perm req)

Credits: 2

Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in finance.*

|      |   |                  |
|------|---|------------------|
| 0501 | Albert Kyle                                     | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                  |
|      | TuTh 4:00pm - 5:50pm                            | VMH 1330         |
|      | <i>For Master of Finance students only.</i>     |                  |
| 0502 | Albert Kyle                                     | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                  |
|      | TuTh 6:00pm - 7:50pm                            | VMH 1330         |
|      | <i>For Master of Finance students only.</i>     |                  |
| 0503 | Albert Kyle                                     | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                  |
|      | TuTh 8:00pm - 9:50pm                            | VMH 1330         |
|      | <i>For Master of Finance students only.</i>     |                  |

**BUFN758Z**
**Special Topics in Finance; Global Equity Fund**

Credits: 2

Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in finance.*
**Contact department for information to register for this course.**
**BUFN759**
**Independent Study in Finance**

(Perm req)

Credits: 1-6

Grading Method: Regular

*Independent study for Masters students in finance.*

Contact department for information to register for this course.

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**BUFN760**

**Applied Equity Analysis**

Credits: 2                      Grading Method: Regular

*Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN702 or BUFN760. Formerly: BUFN702.*

*Students will learn to analyze equity securities using the basic EIC (Economy/Industry/Company) framework used in the financial industry, paying special attention to financial statement analysis. Students also will learn the primary valuation techniques used to estimate market values for equity securities.*

|      |   |                   |
|------|---|-------------------|
| 0501 | Sarah Kroncke                                     | Seats (Total: 50) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                   |
|      | TuTh 12:00pm - 1:50pm                             | VMH 1528          |
|      | <i>For Master of Finance students only.</i>       |                   |

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**BUFN762**

**Fixed Income Analysis**

Credits: 2                      Grading Method: Regular

*Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN731 or BUFN762. Formerly: BUFN731.*

*Describes important financial instruments which have market values that are sensitive to interest rate movements. Develops tools to analyze interest rate sensitivity and value fixed income securities. Defines and explains the vocabulary of the bond management business.*

|      |   |                   |
|------|---|-------------------|
| 0501 | Steven Heston                                     | Seats (Total: 0)  |
|      | <b>Meets October 23, 2017 - December 5, 2017</b>  |                   |
|      | Tu 6:25pm - 10:00pm                               | VMH 1528          |
|      | <i>For Master of Finance students only.</i>       |                   |
| DC01 | Steven Heston                                     | Seats (Total: 45) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                   |
|      | Th 6:25pm - 10:00pm                               | DC C2             |

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**BUFN763****Portfolio Management**

(Perm req)

Credits: 2

Grading Method: Regular

*Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN700 or BUFN763. Formerly: BUFN700.*

*Provides training that is important in understanding the investment process - the buy side of the financial world. Specifically, the objective is to provide graduate-level instruction in the following topics, both in theory and in using financial markets data to test the basic theory and practice of portfolio choice and equilibrium pricing models and their implications for efficient portfolios.*

|      |   |                  |
|------|---|------------------|
| 0501 | Mark Loewenstein                                | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b> |                  |
|      | MW 10:00am - 11:50am                            | VMH 1330         |
|      | <i>For Master of Finance students only.</i>     |                  |
| 0502 | Mark Loewenstein                                | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b> |                  |
|      | MW 2:00pm - 3:50pm                              | VMH 1528         |
|      | <i>For Master of Finance students only.</i>     |                  |
| 0503 | Mark Loewenstein                                | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b> |                  |
|      | MW 4:00pm - 5:50pm                              | VMH 1528         |
|      | <i>For Master of Finance students only.</i>     |                  |

**BUFN765****Fixed Income Derivatives**

(Perm req)

Credits: 2

Grading Method: Regular

*Prerequisite: BUFN762. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN731 or BUFN765. Formerly: BUFN731.*

*Surveys fixed income assets and related securities such as Exchange-traded bond options; bonds with embedded options; floating rate notes; caps, collars, and floors; floating rate notes with embedded options. Also surveys advanced tools for interest-rate and fixed-income portfolio management, including the use of derivative securities, and the application of binomial trees for analysis of options, and a sound understanding of stochastic yield curves.*

|      |   |                  |
|------|---|------------------|
| 0501 | Haluk Unal  | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | Th 6:25pm - 10:00pm                               | VMH 1335         |
|      | <i>For Master of Finance students only.</i>       |                  |

## **BUFN766 Financial Engineering**

(Perm req)

Credits: 2      Grading Method: Regular

*Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN735 or BUFN766. Formerly: BUFN735.*

*Develop Excel and Visual Basic (VBA) models to solve problems related to portfolio management, options valuation, fixed income securities, interest rate processes, and risk management. This course thus bridges theory with the design of algorithms and models that can be directly applied in practice.*

|      |   |                  |
|------|---|------------------|
| 0501 | Mark Loewenstein                                  | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | MW 10:00am - 11:50am                              | VMH 1330         |
|      | <i>For Master of Finance students only.</i>       |                  |
| 0502 | Mark Loewenstein                                  | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | TuTh 4:00pm - 5:50pm                              | VMH 1330         |
|      | <i>For Master of Finance students only.</i>       |                  |

## **BUFN770 International Investment**

(Perm req)

Credits: 2      Grading Method: Regular

*Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN724 or (BUFN770 and BUFN771). Formerly: BUFN724.*

*Addresses international stock markets, portfolio theory, international interest rates, exchange rates and exchange rate derivatives (options, forwards, and futures), exchange rate swaps and exchange rate exposure (operating, translation, and transaction), foreign investment strategy.*

|      |   |                  |
|------|---|------------------|
| 0501 | Steven Heston                                   | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                  |
|      | TuTh 10:00am - 11:50am                          | VMH 1335         |
|      | <i>For Master of Finance students only.</i>     |                  |

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## **BUFN771 International Corporate and Project Finance**

(Perm req)

Credits: 2      Grading Method: Regular

*Prerequisite: BUFN770. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN724 or (BUFN770 and BUFN771). Formerly: BUFN724.*

*Continuation of BUFN770. Issues addressed will include capital budgeting, project financing, exchange rate exposure (operating, translation, and transaction), foreign investment strategy, and risk management.*

|      |   |                  |
|------|---|------------------|
| 0501 | Steven Heston                                     | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | MW 4:00pm - 5:50pm                                | VMH 1511         |
|      | <i>For Master of Finance students only.</i>       |                  |

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## **BUFN773 Institutional Asset Management**

(Perm req)

Credits: 2      Grading Method: Regular

*Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).*

*Examines how money is managed by organizations such as university endowments, pension funds, mutual funds, hedge funds, and private equity funds. Involves a mixture of finance and economics and emphasizes the incentives professional money managers face within the context of the organizational structure in which they operate. Particular attention is paid to compensation structures and monitoring mechanisms.*

|      |  |                  |
|------|--|------------------|
| 0501 | Albert Kyle                                      | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 5, 2017</b> |                  |
|      | M 6:25pm - 10:00pm                               | VMH 1303         |
|      | <i>For Master of Finance students only.</i>      |                  |



|      |   |                  |
|------|---|------------------|
| 0502 | Albert Kyle                                       | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | Th 6:25pm - 10:00pm                               | VMH 1511         |
|      | <i>For Master of Finance students only.</i>       |                  |

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## BULMLogistics, Business, and Public PolicyFall 2017

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### **BULM742      Global Supply Chain Resources Planning**

Credits: 2                      Grading Method: Regular

*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.*

*Provides students with an overall understanding of how firms use an advanced supply chain planning (ASCP) application as an integral part of their materials management process which includes such activities as production planning, materials requirements planning, and distribution requirements planning.*

|      |   |                   |
|------|---|-------------------|
| 0501 | Philip Evers  | Seats (Total: 31) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b>       |                   |
|      | MW 5:00pm - 6:50pm                                      | VMH 2505          |
|      | <i>For MS in Supply Chain Management students only.</i> |                   |

### **BULM758B      Special Topics in Logistics, Business and Public Policy; Supply Chain Strategy**

(Perm req)

Credits: 2                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in logistics, business and public policy.*

|      |   |                  |
|------|---|------------------|
| 0501 | Martin Dresner  | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 5, 2017</b>        |                  |
|      | Tu 6:25pm - 10:00pm                                     | VMH 1336         |
|      | <i>For MS in Supply Chain Management students only.</i> |                  |

### **BULM758J      Special Topics in Logistics, Business and Public Policy; Project Management**

(Perm req)

Credits: 2                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in logistics, business and public policy.*

|      |   |                  |
|------|---|------------------|
| 0501 | Barnet Corwin   | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b>         |                  |
|      | MW 4:00pm - 5:50pm                                      | VMH 1511         |
|      | <i>For MS in Supply Chain Management students only.</i> |                  |

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**BULM758K**

**Special Topics in Logistics, Business and Public Policy; Business Fundamentals for Supply Chain Managers I**

(Perm req)

Credits: 2      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in logistics, business and public policy.*

|      |   |                  |
|------|---|------------------|
| 0501 | Humberto Coronado                                       | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b>         |                  |
|      | MW 7:00pm - 8:50pm                                      | VMH 1518         |
|      | <i>For MS in Supply Chain Management students only.</i> |                  |

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**BULM758L**

**Special Topics in Logistics, Business and Public Policy; Lean Six Sigma for Supply Chain**

(Perm req)

Credits: 2      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in logistics, business and public policy.*

|      |   |                  |
|------|---|------------------|
| 0501 | Nadya Barnes  | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b>         |                  |
|      | W 6:25pm - 10:00pm                                      | VMH 1330         |
|      | <i>For MS in Supply Chain Management students only.</i> |                  |

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**BULM758Q**

**Special Topics in Logistics, Business and Public Policy; Business Fundamentals for Supply Chain Managers II**

(Perm req)

Credits: 2      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in logistics, business and public policy.*

|      |   |                  |
|------|---|------------------|
| 0501 | Humberto Coronado                                 | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | MW 7:00pm - 8:50pm                                | VMH 1518         |

### **BULM758V**

(Perm req)

### **Special Topics in Logistics, Business and Public Policy; Lean Six Sigma for Supply Chain II**

Credits: 2

Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in logistics, business and public policy.*

|      |   |                  |
|------|---|------------------|
| 0501 | Nadya Barnes  | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b>       |                  |
|      | W 6:25pm - 10:00pm                                      | VMH 1330         |
|      | <i>For MS in Supply Chain Management students only.</i> |                  |

### **BULM758X**

(Perm req)

### **Special Topics in Logistics, Business and Public Policy; Data Models & Decisions I**

Credits: 2

Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in logistics, business and public policy.*

|      |   |                  |
|------|---|------------------|
| 0501 | Arnold Greenland  | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b>         |                  |
|      | TuTh 10:00am - 11:50am                                  | VMH 1511         |
|      | <i>For MS in Supply Chain Management students only.</i> |                  |

### **BULM758Y**

(Perm req)

### **Special Topics in Logistics, Business and Public Policy; Data Models & Decisions II**

Credits: 2

Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in logistics, business and public policy.*

|      |   |                  |
|------|---|------------------|
| 0501 | Arnold Greenland                                  | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | TuTh 10:00am - 11:50am                            | VMH 1511         |

### **BULM759**

### **Independent Study in Logistics Management**

(Perm req)

Credits: 1-6

Grading Method: Regular

*Independent study for Masters students in Logistics Management.*

**Contact department for information to register for this course.**

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## **BUMK      Marketing**

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**Fall 2017**

### **BUMK701      Marketing Research Methods**

Credits: 2

Grading Method: Regular

*Prerequisite: BUSI650 and BUSI630. Credit only granted for: BMGT752 or BUMK701. Formerly: BMGT752.*

*The process of acquiring, classifying and interpreting primary and secondary marketing data needed for intelligent, profitable marketing decisions. Evaluation of the appropriateness of alternative methodologies, such as the inductive, deductive, survey, observational, and experimental. Recent developments in the systematic recording and use of internal and external data needed for marketing decisions.*

|      |   |                   |
|------|---|-------------------|
| BA01 | David Ashley  | Seats (Total: 45) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b>         |                   |
|      | W 6:25pm - 10:00pm  | BA 102            |
| DC06 | David Ashley  | Seats (Total: 45) |
|      | <b>Meets August 26, 2017 - October 14, 2017</b>           |                   |
|      | Sa 2:00pm - 6:30pm  | DC C4             |
|      | Class time/details on ELMs                                | ONLINE            |
|      | <i>Meets 8/26, 9/9, 9/23, 10/7, Final 10/14. Blended.</i> |                   |

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### **BUMK706      Marketing Analysis**

Credits: 2

Grading Method: Regular

*Prerequisite: BUSI650.*

*Introduction to modeling tools used to support marketing analysis and decision making. Applications in strategic marketing, marketing segmentation, new product development, sales promotion analysis, pricing, design of marketing mix, sales force allocation, and direct marketing. Spreadsheet driven cases and illustrative readings.*

|      |   |                   |
|------|---|-------------------|
| DC01 | Michel Wedel                                      | Seats (Total: 45) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                   |
|      | W 6:25pm - 10:00pm                                | DC C2             |

## BUMK715 Consumer Behavior

Credits: 2 Grading Method: Regular

*Prerequisite: BUSI650. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BMGT754 or BUMK715. Formerly: BMGT754.*

*Analysis of customer decision-making and how marketing strategy can be used to influence those decisions. The framework is a buyer behavior model, in which concepts from psychology, sociology, and economics are applied to individual and organizational purchase decisions. Marketing strategies of leading firms in consumer products, technology, and services (including internet services) are analyzed using a variety of case study formats. Focus is consumer behavior; however, principles can also be applied to the decision-making of business.*

|      |  |                   |
|------|--|-------------------|
| WW01 | Rebecca Ratner   | Seats (Total: 25) |
|      | <b>Meets September 25, 2017 - November 2, 2017</b>                 |                   |
|      | W 4:30pm - 6:00pm  | ONLINE            |
|      | Class time/details on ELMs   | ONLINE            |
|      | <i>Synchronous online meetings 9/27, 10/4, 10/11, 10/25, 11/1.</i> |                   |

## BUMK716 Brand Management

Credits: 2 Grading Method: Regular

*Prerequisite: BUSI650. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.*

*Brand names are valuable assets for firms. Effective brand management is critical to maintaining the long-term profitability of products and services. Topics include understanding brands from the customer's perspective, building brand equity, measuring brand equity, leveraging brand equity, managing brand portfolios and managing brands over time.*

|      |   |                   |
|------|---|-------------------|
| DC01 | Yue Qin   | Seats (Total: 45) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                   |
|      | W 6:25pm - 10:00pm                              | DC C2             |

|      |   |                   |
|------|---|-------------------|
| GS01 | Yue Qin   | Seats (Total: 45) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                   |
|      | Th 6:25pm - 10:00pm                               | BLD2 2062         |

## **BUMK717 Integrated Marketing Communications**

Credits: 2      Grading Method: Regular

*Prerequisite: BUSI650. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.*

*Marketing communications are a complex but critical component of marketing strategy. Topics include communication tools: advertising, sales promotions, corporation communications, one-on-one or direct marketing, public relations, internet communications, sponsorship/events marketing, and marketing communication plans: defining objectives, implementing the plan, and measuring communications effectiveness. Achieving integration in the content, look, and feel of all marketing communications is stressed.*

|      |   |                   |
|------|---|-------------------|
| DC06 | Rosellina Ferraro   | Seats (Total: 45) |
|      | <b>Meets October 21, 2017 - December 9, 2017</b>            |                   |
|      | Sa 2:00pm - 6:30pm  | DC C2             |
|      | Class time/details on ELMs                                  | ONLINE            |
|      | <i>Meets 10/21, 11/4, 11/18, 12/2, Final 12/9. Blended.</i> |                   |

## **BUMK757 Marketing Strategy**

Credits: 2      Grading Method: Regular

*Prerequisite: BUSI650. Credit only granted for: BMGT757 or BUMK757. Formerly: BMGT757.*

*A capstone marketing course. Marketing strategies designed to manage products in selected market segments. Topics covered include competitor analysis, buyer analysis, market segments, and product strengths and weaknesses; product related issues are identified and marketing strategies developed, assessed and implemented.*

|      |   |                   |
|------|---|-------------------|
| DC01 | Elizabeth Sara                                  | Seats (Total: 45) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b> |                   |
|      | M 6:25pm - 10:00pm                              | DC C2             |

## **BUMK758B Special Topics in Marketing; Market-Based Management**

(Perm req)

Credits: 3

Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in marketing.*

|   |             |                  |
|---|-------------|------------------|
| 0501  | David Godes | Seats (Total: 0) |
| <b>Meets August 28, 2017 - December 14, 2017</b>    |             |                  |
| TuTh 12:30pm - 1:45pm                               |             | VMH 1333         |
| <i>For MS in Marketing Analytics students only.</i> |             |                  |

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**BUMK758D**

**Special Topics in Marketing; Customer Analysis**

(Perm req)

Credits: 3

Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in marketing.*

|   |                   |                  |
|---|-------------------|------------------|
| 0501  | Rosellina Ferraro | Seats (Total: 0) |
| <b>Meets August 28, 2017 - December 14, 2017</b>    |                   |                  |
| MW 2:00pm - 3:15pm                                  |                   | VMH 1202         |
| <i>For MS in Marketing Analytics students only.</i> |                   |                  |

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**BUMK758E**

**Special Topics in Marketing; Statistical Programming**

(Perm req)

Credits: 3

Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in marketing.*

|   |                |                  |
|---|----------------|------------------|
| 0501  | Lingling Zhang | Seats (Total: 0) |
| <b>Meets August 28, 2017 - December 14, 2017</b>    |                |                  |
| TuTh 2:00pm - 3:15pm                                |                | VMH 1333         |
| <i>For MS in Marketing Analytics students only.</i> |                |                  |

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**BUMK758G**

**Special Topics in Marketing; Business Communication**

(Perm req)

Credits: 1

Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in marketing.*

|      |  |                  |
|------|--|------------------|
| 0501 | Christine Schaaf   | Seats (Total: 0) |
|      | <b>Meets October 27, 2017 - December 1, 2017</b>   |                  |
|      | F 10:00am - 1:30pm   | VMH 1520         |
|      | <i>For MS in Marketing Analytics students only. Meets in VMH 1520 on 10/27 11/3, and 11/17. Meets in VMH 1212 on 12/1.</i> |                  |

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**BUMK758J      Special Topics in Marketing; Pricing Strategies for Sustainable Competitive Advantage**

Credits: 2                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in marketing.*

|      |   |                   |
|------|---|-------------------|
| BA01 | Fred Katz                                       | Seats (Total: 45) |
|      | <b>Meets August 27, 2017 - October 16, 2017</b> |                   |
|      | M 6:25pm - 10:00pm                              | BA 103            |

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**BUMK758K      Special Topics in Marketing; Advanced Marketing Analytics**

(Perm req)

Credits: 3                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in marketing.*

|      |   |                  |
|------|---|------------------|
| 0501 | Michel Wedel  | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - December 5, 2017</b>     |                  |
|      | M 4:00pm - 6:45pm                                   | VMH 1330         |
|      | <i>For MS in Marketing Analytics students only.</i> |                  |

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**BUMK758O      Special Topics in Marketing; Digital Marketing**

Credits: 2                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in marketing.*

|      |   |                   |
|------|---|-------------------|
| GS01 | Elie Ashery                                     | Seats (Total: 45) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                   |
|      | W 6:25pm - 10:00pm                              | BLD2 2062         |

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**BUMK759      Independent Study in Marketing**



(Perm req)

Credits: 1-6

Grading Method: Regular

*Independent study for Masters students in Marketing.*

**Contact department for information to register for this course.**

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## **BUMO      Management and Organization**

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## **Fall 2017**

### **BUM0714      Competitive and Collaborative Negotiation**

Credits: 2

Grading Method: Regular

*Corequisite: BUM0715. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUM0714 or BMGT764. Formerly: BMGT764.*

*Increase negotiating self-confidence and improve capacity to achieve win-win solutions to organizational problems. Improve effectiveness at finding creative solutions to conflict.*

|      |   |   |
|------|---|---|
| DC01 | Rellie Rozin<br><b>Meets October 23, 2017 - December 5, 2017</b><br>M 6:25pm - 10:00pm                                    | Seats (Total: 45)<br><br>DC C3  |
| DC06 | Gosia Langa Basit<br><b>Meets October 21, 2017 - December 9, 2017</b><br>Sa 2:00pm - 6:30pm<br>Class time/details on ELMs | Seats (Total: 31)<br><br>DC C4<br>ONLINE<br><br><i>Meets 10/21, 11/4, 11/18, 12/2, Final 12/9. Blended.</i> |

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### **BUM0732      Entrepreneurship and New Ventures**

Credits: 2

Grading Method: Regular

*Credit only granted for: BUM0732 or BUSI660. Formerly: BMGT780.*

*Provides an introduction to important tools and skills necessary to create and grow a successful new venture. Integrates research findings from a range of different practical and intellectual perspectives, including psychology, sociology, economics, strategic management, and history into practical, hands on lessons for an entrepreneur. Class projects provide the foundations for new, real businesses.*

|      |   |                                |
|------|---|--------------------------------|
| DC01 | Jonathan Aberman<br><b>Meets August 28, 2017 - October 14, 2017</b><br>W 6:25pm - 10:00pm | Seats (Total: 45)<br><br>DC C3 |
|------|---|--------------------------------|

|      |   |                   |
|------|---|-------------------|
| DC06 | Jonathan Aberman  | Seats (Total: 45) |
|      | <b>Meets August 26, 2017 - October 14, 2017</b>           |                   |
|      | Sa 2:00pm - 6:30pm  | DC C2             |
|      | Class time/details on ELMs                                | ONLINE            |
|      | <i>Meets 8/26, 9/9, 9/23, 10/7, Final 10/14. Blended.</i> |                   |
| GS01 | David Kressler  | Seats (Total: 45) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b>           |                   |
|      | Th 6:25pm - 10:00pm                                       | BLD2 2052         |

## BUMO756

### Industry Analysis

Credits: 2      Grading Method: Regular

*Recommended: BUSI690. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BMGT792 or BUMO756. Formerly: BMGT792.*

*Conceptual framework and analytical tools for understanding the dynamic of industry structure. Impacts of past and future attractiveness of the industry on profitability. Developing and applying frameworks to devise competitive strategies in uncertain industries.*

|      |  |                   |
|------|--|-------------------|
| BA01 | Serguey Braguinsky                               | Seats (Total: 45) |
|      | <b>Meets October 23, 2017 - December 5, 2017</b> |                   |
|      | Tu 6:25pm - 10:00pm                              | BA 103            |

## BUMO758A

### Special Topics in Management and Organization; Strategic Growth for Emerging Companies

Credits: 2      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in management and organization.*

|      |   |                   |
|------|---|-------------------|
| DC06 | Jonathan Aberman  | Seats (Total: 45) |
|      | <b>Meets October 21, 2017 - December 9, 2017</b>                                    |                   |
|      | Sa 2:00pm - 6:30pm  | DC C1             |
|      | Class time/details on ELMs  | ONLINE            |
|      | <i>Meets 10/21, 11/4, 11/18, 12/2, 12/9 Final. Course meets in a blended format</i> |                   |

**BUM0758D Special Topics in Management and Organization; Social Entrepreneurship**

Credits: 2 Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in management and organization.*

|      |  |                   |
|------|--|-------------------|
| DC01 | James Sanders                                    | Seats (Total: 45) |
|      | <b>Meets October 23, 2017 - December 5, 2017</b> |                   |
|      | Tu 6:25pm - 10:00pm                              | DC C4             |

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**BUM0758G Special Topics in Management and Organization; Innovation Management**

Credits: 2 Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in management and organization.*

|      |   |                   |
|------|---|-------------------|
| BA01 | Clarence Wesley                                 | Seats (Total: 45) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                   |
|      | W 6:25pm - 10:00pm                              | BA 103            |

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**BUM0758L Special Topics in Management and Organization; Leadership Development**

Credits: 4 Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in management and organization.*

|      |  |                   |
|------|--|-------------------|
| DC01 | Hui Liao   | Seats (Total: 45) |
|      | <b>Meets August 28, 2017 - December 14, 2017</b> |                   |
|      | Th 6:25pm - 10:00pm                              | DC C4             |

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**BUM0759 Independent Study in Management and Organization**

(Perm req)

Credits: 1-6 Grading Method: Regular

*Independent study for Masters students in management and organization.***Contact department for information to register for this course.**

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**BUM0767 Cross-Cultural Communication and Teamwork**

Credits: 2 Grading Method: Regular

*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI667 or BUMO767. Formerly: BUSI667.*

*Provide managers a sound basis for developing such competencies. Specifically, we will develop an understanding of key cultural differences, and how these differences influence the management of individuals, groups, and organizations.*

|      |   |                   |
|------|---|-------------------|
| DC01 | Ella Washington                                   | Seats (Total: 45) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                   |
|      | W 6:25pm - 10:00pm                                | DC C3             |

#### **BUMO794**

#### **Essentials of Negotiation**

(Perm req)

Credits: 2

Grading Method: Regular,  
Audit

*Restriction: Must be in Business and Management (Master's) program.*

*This highly experiential course will improve students' negotiation skills and capacity to acquire and effectively use bargaining power. By using a variety of assessment tools, feedback sources, skill-building exercises, and exercise debriefings, the class will increase students' negotiating self-confidence and improve their capacity to claim value and achieve win-win solutions to individual, team, and organizational problems. The course is designed to enhance students' negotiating self-confidence and improve students' analytical and decision-making skills (e.g., understanding bargaining zones, knowing when an agreement can be made and when to walk away; learning how to prepare for negotiations), interpersonal skills, creativity (e.g., identifying creative solutions to conflict), and persuasive abilities.*

|      |   |                  |
|------|---|------------------|
| 0501 | Rellie Rozin                                      | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | Th 6:25pm - 10:00pm                               | VMH 1336         |
|      | <i>For MS in Accounting students only.</i>        |                  |
| 0502 | Vijaya Venkataramani                              | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | TuTh 8:00am - 9:50am                              | VMH 1330         |
|      | <i>For MS in Accounting students only.</i>        |                  |

|      |   |                  |
|------|---|------------------|
| 0503 | Rellie Rozin                                      | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | TuTh 10:00am - 11:50am                            | VMH 1505         |
|      | <i>For MS in Accounting students only.</i>        |                  |
| 0504 | Gosia Langa Basit                                 | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | W 6:25pm - 10:00pm                                | VMH 1303         |
|      | <i>For MS in Accounting students only.</i>        |                  |

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## **BUSI                      Part-Time MBA Program                      Fall 2017**

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### **BUSI610                      Introduction to Financial Accounting**

(Perm req)

Credits: 2                      Grading Method: Regular

*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).*

*Overview of financial accounting, periodic financial statements and the financial reporting process. Importance of financial statements as information source for creditors and investors and as a means by which managers can communicate information about their firms.*

Non majors should review their registration eligibility in the statement preceding the BUSI courses.

|      |   |                   |
|------|---|-------------------|
| 0501 | Progyan Basu  | Seats (Total: 35) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b>         |                   |
|      | TuTh 10:00am - 11:50am                                  | VMH 1330          |
|      | <i>For Master in Finance students only.</i>             |                   |
| 0502 | Mary Keim   | Seats (Total: 0)  |
|      | <b>Meets August 28, 2017 - October 14, 2017</b>         |                   |
|      | TuTh 4:00pm - 5:50pm                                    | VMH 2505          |
|      | <i>For MS in Business and Management students only.</i> |                   |

|      |  |   |
|------|--|---|
| BA01 | Emanuel Zur<br><b>Meets October 23, 2017 - December 5, 2017</b><br>Tu 6:25pm - 10:00pm   | Seats (Total: 0)<br><br>BA 104          |
| DC01 | Rebecca Hann<br><b>Meets October 23, 2017 - December 14, 2017</b><br>Th 6:25pm - 10:00pm   | Seats (Total: 0)<br><br>DC C3           |
| DC06 | Eugene Cantor<br><b>Meets October 21, 2017 - December 9, 2017</b><br>Sa 8:30am - 1:00pm<br>Class time/details on ELMs<br><br><i>Meets 10/21, 11/4, 11/18, 12/2, Final 12/9. Blended.</i> | Seats (Total: 0)<br><br>DC C3<br>ONLINE |
| GS01 | Rebecca Hann<br><b>Meets October 23, 2017 - December 14, 2017</b><br>W 6:25pm - 10:00pm  | Seats (Total: 0)<br><br>BLD2 2032       |

## BUSI621

(Perm req)

### Strategic and Transformational IT

Credits: 2      Grading Method: Regular

*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI620 or BUSI621.*

*Introduces students to the key issues in managing information technolog (IT) and provides an overview of how major IT applications in today's firms support strategic, opertaional, and tactical decisions. Topics include: synchroizing IT and business strategy; the transformational impacts of IT; evaluating and coping with new technologies; governing, managing, and organizing the IT function including outsourcing/offshoring considerations; assessing the business value of IT and justifying IT projects; and managing IT applications in functional areas to support strategy and business process.*

|      |   |                                  |
|------|---|----------------------------------|
| 0501 | Anand Gopal<br><b>Meets October 23, 2017 - December 14, 2017</b><br>TuTh 6:00pm - 7:50pm<br><br><i>For MS in Information Systems students only.</i> | Seats (Total: 0)<br><br>VMH 1330 |
|------|---|----------------------------------|

|      |   |                  |
|------|---|------------------|
| 0502 | Anand Gopal   | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b>   |                  |
|      | TuTh 8:00pm - 9:50pm                                | VMH 1330         |
|      | <i>For MS in Information Systems students only.</i> |                  |

## BUSI622

### Managing Digital Business Markets

Credits: 2                      Grading Method: Regular

*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.*

*The objective is to understand the strategic and tactical issues involved in managing digital businesses and markets. Also, some of the characteristics of digital businesses and markets that make them unique and understand how companies can best manage them will be examined.*

|      |   |                   |
|------|---|-------------------|
| 0501 | Sivakumar Viswanathan                               | Seats (Total: 0)  |
|      | <b>Meets August 28, 2017 - October 14, 2017</b>     |                   |
|      | TuTh 12:00pm - 1:50pm                               | VMH 1330          |
|      | <i>For MS in Information Systems students only.</i> |                   |
| 0502 | Sivakumar Viswanathan                               | Seats (Total: 0)  |
|      | <b>Meets August 28, 2017 - October 14, 2017</b>     |                   |
|      | TuTh 2:00pm - 3:50pm                                | VMH 1330          |
|      | <i>For MS in Information Systems students only.</i> |                   |
| GS01 | Il-Horn Hann  | Seats (Total: 45) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b>     |                   |
|      | M 6:25pm - 10:00pm                                  | BLD2 2062         |

## BUSI630

### Data, Models and Decisions

(Perm req)

Credits: 2                      Grading Method: Regular

*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).*

*Analytical modeling of business decisions; uncertainty, risk and expected utility; regression modeling to infer relationships among variables.*

|      |   |                  |
|------|---|------------------|
| 0501 | Tunay Tunca   | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b>         |                  |
|      | Tu 6:25pm - 10:00pm                                     | VMH 1333         |
|      | <i>For MS in Business Analytics students only.</i>      |                  |
| 0502 | Tunay Tunca   | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b>         |                  |
|      | Th 6:25pm - 10:00pm                                     | VMH 1333         |
|      | <i>For MS in Business and Management students only.</i> |                  |

## BUSI634

### Operations Management

Credits: 2      Grading Method: Regular

*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.*

*Operations management is concerned with efficient and effective design and operation of business processes for delivering products and/or services. Emphasis is given to process analysis and design, capacity management and bottlenecks, waiting lines and the impact of uncertainty in process performance, quality management, lean, six-sigma, and revenue management.*

|      |   |                   |
|------|---|-------------------|
| BA01 | Yi Xu   | Seats (Total: 50) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                   |
|      | W 6:25pm - 10:00pm                              | BA 104            |
| DC01 | Yi Xu   | Seats (Total: 30) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b> |                   |
|      | M 6:25pm - 10:00pm                              | DC C3             |
| DC02 | Yi Xu   | Seats (Total: 30) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                   |
|      | Tu 6:25pm - 10:00pm                             | DC C2             |



|      |   |                   |
|------|---|-------------------|
| DC06 | Yi Xu   | Seats (Total: 40) |
|      | <b>Meets August 26, 2017 - October 14, 2017</b>           |                   |
|      | Sa 8:30am - 1:00pm  | DC C2             |
|      | Class time/details on ELMs                                | ONLINE            |
|      | <i>Meets 8/26, 9/9, 9/23, 10/7, Final 10/14. Blended.</i> |                   |
| GS01 | Zhi-Long Chen   | Seats (Total: 30) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b>           |                   |
|      | Th 6:25pm - 10:00pm                                       | BLD2 2032         |

## BUSI640

## Financial Management

(Perm req)

Credits: 2      Grading Method: Regular

*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).*

*Focuses on the valuation of the real assets of firms as well as the valuation of stocks and bonds, the primary financial assets in an economy. While details vary, the conceptual foundations of valuation boil down to three themes: time value of money, no-arbitrage, and systematic risk.*

Non majors should review their registration eligibility in the statement preceding the BUSI courses.

|      |   |                  |
|------|---|------------------|
| 0501 | Laurent Fresard                                 | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                  |
|      | TuTh 12:00pm - 1:50pm                           | VMH 1528         |
|      | <i>For MS in Finance students only.</i>         |                  |
| 0502 | Laurent Fresard                                 | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                  |
|      | TuTh 8:00am - 9:50am                            | VMH 1528         |
|      | <i>For MS in Finance Students only.</i>         |                  |
| 0503 | Laurent Fresard                                 | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                  |
|      | TuTh 10:00am - 11:50am                          | VMH 1528         |
|      | <i>For MS in Finance students only.</i>         |                  |

|      |   |                  |
|------|---|------------------|
| 0504 | James Seward  | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b>       |                  |
|      | TuTh 12:00pm - 1:50pm                                   | VMH 1505         |
|      | <i>For MS in Business and Management students only.</i> |                  |

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**BUSI650      Marketing Management**

(Perm req)

Credits: 2      Grading Method: Regular

*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).*

*Analysis of marketing problems and evaluation of specific marketing efforts regarding the organization's products and services, pricing activities, channel selection, and promotion strategies in both domestic and international markets.*

|      |   |                  |
|------|---|------------------|
| 0501 | David Diehl   | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b>       |                  |
|      | TuTh 4:00pm - 5:50pm                                    | VMH 2505         |
|      | <i>For MS in Business and Management students only.</i> |                  |

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**BUSI662      Leadership and Teamwork**

(Perm req)

Credits: 2      Grading Method: Regular

*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).*

*Course examines concepts of team-building and leadership which are critical to managerial success. Topics include leadership, decision making, communication and conflict, work motivation, building effective teams, and organizational change and culture.*

|      |   |                  |
|------|---|------------------|
| 0501 | Ella Washington   | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b>         |                  |
|      | W 6:25pm - 10:00pm                                      | VMH 1520         |
|      | <i>For MS in Business and Management students only.</i> |                  |

|      |  |   |
|------|--|---|
| BA01 | Subrahmaniam Tangirala<br><b>Meets August 28, 2017 - October 14, 2017</b><br>Tu 6:25pm - 10:00pm   | Seats (Total: 0)<br><br>BA 104          |
| DC01 | Subrahmaniam Tangirala<br><b>Meets August 28, 2017 - October 14, 2017</b><br>Th 6:25pm - 10:00pm   | Seats (Total: 0)<br><br>DC C3           |
| DC06 | Subrahmaniam Tangirala<br><b>Meets August 26, 2017 - October 14, 2017</b><br>Sa 2:00pm - 6:30pm<br>Class time/details on ELMs<br><br><i>Meets 8/26, 9/9, 9/23, 10/7, Final 10/14. Blended.</i> | Seats (Total: 0)<br><br>DC C3<br>ONLINE |
| GS01 | Subrahmaniam Tangirala<br><b>Meets August 28, 2017 - October 16, 2017</b><br>M 6:25pm - 10:00pm  | Seats (Total: 0)<br><br>BLD2 2032       |

## BUSI672

### Global Supply Chain Management

Credits: 2      Grading Method: Regular

*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).*

*Offers a practical blueprint for understanding, building, implementing, and sustaining supply chains in today's rapidly changing global supply chain environment. It will provide the student with a survey of the fast-moving Supply Chain Management discipline and practice, including the evolution of supply chain strategies, business models and technologies; current best practices in demand and supply management; and methodologies for conducting supply chain-wide diagnostic assessments and formulating process improvement plans.*

|      |   |                                  |
|------|---|----------------------------------|
| 0501 | Thomas Corsi<br><b>Meets August 28, 2017 - October 14, 2017</b><br>TuTh 12:00pm - 1:50pm<br><br><i>For MS in Supply Chain Management students only.</i> | Seats (Total: 0)<br><br>VMH 1505 |
|------|---|----------------------------------|

|      |  |                   |
|------|--|-------------------|
| DC01 | Thomas Corsi                                     | Seats (Total: 45) |
|      | <b>Meets October 23, 2017 - December 5, 2017</b> |                   |
|      | M 6:25pm - 10:00pm                               | DC C2             |

## **BUSI681 Managerial Economics and Public Policy**

(Perm req)

Credits: 2      Grading Method: Regular

*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).*

*Basic microeconomic principles used by firms, including supply and demand, elasticities, costs, productivity, pricing, market structure and competitive implications of alternative market structures. Market failures and government intervention. Public policy processes affecting business operations.*

Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

|      |   |                  |
|------|---|------------------|
| 0501 | Ryan Cooper   | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b>         |                  |
|      | MW 2:00pm - 3:50pm  | VMH 3330H        |
|      | <i>For MS in Business and Management students only.</i>   |                  |
| BA01 | Robert Windle   | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b>           |                  |
|      | Th 6:25pm - 10:00pm                                       | BA 104           |
| DC01 | Cristian Dezso  | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b>           |                  |
|      | Tu 6:25pm - 10:00pm                                       | DC C3            |
| DC06 | Jahangir Boroumand  | Seats (Total: 0) |
|      | <b>Meets August 26, 2017 - October 14, 2017</b>           |                  |
|      | Sa 8:30am - 1:00pm  | DC C3            |
|      | Class time/details on ELMs                                | ONLINE           |
|      | <i>Meets 8/26, 9/9, 9/23, 10/7, Final 10/14. Blended.</i> |                  |

|      |   |                  |
|------|---|------------------|
| GS01 | Robert Windle                                   | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                  |
|      | W 6:25pm - 10:00pm                              | BLD2 2032        |

## BUSI690

### Strategic Management

(Perm req)

Credits: 2

Grading Method: Regular

*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).*

*Analyze and identify profit opportunities and threats in different industry and competitive environments; Analyze and identify a firm's valuable assets, resources and capabilities and how they might be protected, leveraged, and extended in the market; Learn how to organize your company to be the best prepared to adapt its strategy over time as the market environment changes; and how to use organic growth as well as mergers, acquisitions, joint ventures, alliances, and divestitures to ensure that the firm maintains the proper scale and scope to compete effectively over time.*

Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

|      |   |                  |
|------|---|------------------|
| 0501 | David Waguespack  | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b>           |                  |
|      | MW 12:00pm - 1:50pm   | VMH 1528         |
|      | <i>For MS in Business and Management students only.</i>     |                  |
| BA01 | David Waguespack  | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b>           |                  |
|      | Th 6:25pm - 10:00pm   | BA 104           |
| DC01 | David Waguespack  | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 5, 2017</b>            |                  |
|      | Tu 6:25pm - 10:00pm   | DC C3            |
| DC06 | Anil Gupta  | Seats (Total: 0) |
|      | <b>Meets October 21, 2017 - December 9, 2017</b>            |                  |
|      | Sa 2:00pm - 6:30pm  | DC C3            |
|      | Class time/details on ELMs                                  | ONLINE           |
|      | <i>Meets 10/21, 11/4, 11/18, 12/2, Final 12/9. Blended.</i> |                  |

|      |  |                  |
|------|--|------------------|
| GS01 | Waverly Ding                                     | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 5, 2017</b> |                  |
|      | M 6:25pm - 10:00pm                               | BLD2 2032        |

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**BUSI758A Special Topics in Business; Business Communication**

(Perm req)

Credits: 2      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in business.*

|      |   |                  |
|------|---|------------------|
| 0501 | Tricia Homer  | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b>         |                  |
|      | M 6:25pm - 10:00pm                                      | VMH 1520         |
|      | <i>For MS in Business and Management students only.</i> |                  |

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**BUSI758B Special Topics in Business; Data Models and Decisions**

(Perm req)

Credits: 3      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in business.*

|      |   |                  |
|------|---|------------------|
| 0501 | Sean Barnes   | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - December 14, 2017</b>    |                  |
|      | MW 9:30am - 10:45am                                 | Location: TBA    |
|      | <i>For MS in Information Systems students only.</i> |                  |
| 0502 | Sean Barnes   | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - December 14, 2017</b>    |                  |
|      | MW 11:00am - 12:15pm                                | VMH 1333         |
|      | <i>For MS in Information Systems students only.</i> |                  |

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**BUSI758F Special Topics in Business; Experiential Learning Project**

Credits: 2      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in business.*

**Contact department for information to register for this course.**

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**BUSI758G****Special Topics in Business; Global Consulting Practicum**

Credits: 1-4      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in business.*

**Contact department for information to register for this course.**

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**BUSI758Y****Special Topics in Business; DC I-Corps**

Credits: 2      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in business.*

|      |  |                   |
|------|--|-------------------|
| DC01 | Benjamin Solomon                                 | Seats (Total: 22) |
|      | <b>Meets August 28, 2017 - December 14, 2017</b> |                   |
|      | Contact instructor or department for details.    |                   |

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**BUSI759****Independent Study in Business**

(Perm req)

Credits: 1-6      Grading Method: Regular

*Independent study for Masters students in Business.*

**Contact department for information to register for this course.**

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**BUSI785****Project Management in Dynamic Environments**

Credits: 2      Grading Method: Regular

*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.*

*Addresses project management skills that are required by successful managers in increasingly competitive and faster-moving environments. Examines fundamental concepts of successful project management, and the technical and managerial issues, methods, and techniques.*

|      |  |                   |
|------|--|-------------------|
| BA01 | Barnet Corwin                                    | Seats (Total: 45) |
|      | <b>Meets October 23, 2017 - December 5, 2017</b> |                   |
|      | M 6:25pm - 10:00pm                               | BA 104            |

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**BUSI788B****Introduction to Global Business Experience; Doing Business in Brazil**

Credits: 1      Grading Method: Regular

*Introduction to the economic climate of the country and region, history political influences on business landscape, and specific opportunities and threats of doing business in the destination country. Course is a prerequisite to short-term study abroad classes.*

|      |                     |                   |
|------|---------------------|-------------------|
| GB01 | Paulo Prochno       | Seats (Total: 20) |
|      | Su 12:00pm - 1:00pm | VMH 1303          |
| GE01 | Paulo Prochno       | Seats (Total: 0)  |
|      | Su 12:00pm - 1:00pm | VMH 1303          |

## **BUSI788C**

### **Introduction to Global Business Experience; Doing Business in China**

Credits: 1      Grading Method: Regular

*Introduction to the economic climate of the country and region, history political influences on business landscape, and specific opportunities and threats of doing business in the destination country. Course is a prerequisite to short-term study abroad classes.*

|      |                     |                   |
|------|---------------------|-------------------|
| GB01 | Zhi-Long Chen       | Seats (Total: 11) |
|      | Su 12:00pm - 1:00pm | VMH 1307          |

## **BUSI788E**

### **Introduction to Global Business Experience; Doing Business in Europe**

Credits: 1      Grading Method: Regular

*Introduction to the economic climate of the country and region, history political influences on business landscape, and specific opportunities and threats of doing business in the destination country. Course is a prerequisite to short-term study abroad classes.*

|      |                     |                   |
|------|---------------------|-------------------|
| GB01 | Charles Olson       | Seats (Total: 20) |
|      | Su 12:00pm - 1:00pm | VMH 1336          |
| GE01 | Charles Olson       | Seats (Total: 0)  |
|      | Su 12:00pm - 1:00pm | VMH 1336          |

## **BUSI788G**

### **Introduction to Global Business Experience; Doing Business in India**

Credits: 1      Grading Method: Regular

*Introduction to the economic climate of the country and region, history political influences on business landscape, and specific opportunities and threats of doing business in the destination country. Course is a prerequisite to short-term study abroad classes.*



|      |                     |                  |
|------|---------------------|------------------|
| GB01 | Progyan Basu        | Seats (Total: 8) |
|      | Su 12:00pm - 1:00pm | VMH 1314         |

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**BUSI788J Introduction to Global Business Experience; Doing Business in South Africa**

Credits: 1      Grading Method: Regular

*Introduction to the economic climate of the country and region, history political influences on business landscape, and specific opportunities and threats of doing business in the destination country. Course is a prerequisite to short-term study abroad classes.*

|      |                     |                   |
|------|---------------------|-------------------|
| GB01 | Bennet Zelner       | Seats (Total: 20) |
|      | Su 12:00pm - 1:00pm | VMH 1330          |

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**BUSI788M Introduction to Global Business Experience; Doing Business in the UAE**

Credits: 1      Grading Method: Regular

*Introduction to the economic climate of the country and region, history political influences on business landscape, and specific opportunities and threats of doing business in the destination country. Course is a prerequisite to short-term study abroad classes.*

|      |                     |                   |
|------|---------------------|-------------------|
| GB01 | Hassan Ibrahim      | Seats (Total: 15) |
|      | Su 12:00pm - 1:00pm | VMH 1333          |

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**BUSI788Y Introduction to Global Business Experience; Doing Business in Japan and Singapore**

Credits: 1      Grading Method: Regular

*Introduction to the economic climate of the country and region, history political influences on business landscape, and specific opportunities and threats of doing business in the destination country. Course is a prerequisite to short-term study abroad classes.*

|      |                     |                   |
|------|---------------------|-------------------|
| GB01 | Cristian Dezso      | Seats (Total: 19) |
|      | Su 12:00pm - 1:00pm | VMH 1335          |

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**BUSI799 Masters Thesis Research**

(Perm req)

Credits: 1-6      Grading Method: Regular

For Smith School MS Students only.

**Contact department for information to register for this course.**

**BUSM600****Leadership and Teamwork**

(Perm req)

Credits: 2      Grading Method: Regular

*Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI662 or BUSM600.*

*Course examines concepts of team-building and leadership which are critical to managerial success. Topics include leadership, decision making, communication and conflict, work motivation, building effective teams, and organizational change and culture.*

|      |   |                                  |
|------|---|----------------------------------|
| 0101 | Neta Moye<br><b>Meets August 28, 2017 - December 5, 2017</b><br>Tu 8:00am - 9:50am  | Seats (Total: 0)<br><br>VMH 1511 |
| 0201 | Neta Moye<br><b>Meets August 28, 2017 - December 14, 2017</b><br>Th 8:00am - 9:50am | Seats (Total: 0)<br><br>VMH 1511 |

**BUSM602****Introduction to Financial Accounting**

(Perm req)

Credits: 2      Grading Method: Regular

*Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI610 or BUSM602.*

*Overview of financial accounting, periodic financial statements and the financial reporting process. Importance of financial statements as information source for creditors and investors and as a means by which managers can communicate information about their firms.*

|      |   |                                  |
|------|---|----------------------------------|
| 0101 | Rebecca Hann<br><b>Meets August 28, 2017 - October 16, 2017</b><br>MW 8:00am - 9:50am   | Seats (Total: 0)<br><br>VMH 1505 |
| 0201 | Rebecca Hann<br><b>Meets August 28, 2017 - October 16, 2017</b><br>MW 10:00am - 11:50am | Seats (Total: 0)<br><br>VMH 1505 |

**BUSM604****Managerial Economics and Public Policy**

(Perm req)

Credits: 2

Grading Method: Regular

*Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI681 or BUSM604.*

*Basic microeconomic principles used by firms, including supply and demand, elasticities, costs, productivity, pricing, market structure and competitive implications of alternative market structures. Market failures and government intervention. Public policy processes affecting business operations.*

|      |   |                  |
|------|---|------------------|
| 0101 | Cristian Dezso                                  | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b> |                  |
|      | MW 2:00pm - 3:50pm                              | VMH 1505         |
| 0201 | Cristian Dezso                                  | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b> |                  |
|      | MW 4:00pm - 5:50pm                              | VMH 1505         |

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## **BUSM606**

### **Data, Models and Decisions**

(Perm req)

Credits: 2

Grading Method: Regular

*Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI630 or BUSM606.*

*Analytical modeling of business decisions; uncertainty, risk and expected utility; regression modeling to infer relationships among variables.*

|      |  |                  |
|------|--|------------------|
| 0101 | Shreevardhan Lele                                | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - December 14, 2017</b> |                  |
|      | Th 4:00pm - 5:50pm                               | VMH 1505         |
| 0201 | Shreevardhan Lele                                | Seats (Total: 0) |
|      | <b>Meets August 28, 2017 - December 14, 2017</b> |                  |
|      | Th 2:00pm - 3:50pm                               | VMH 1505         |

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## **BUSM610**

### **Financial Management**

(Perm req)

Credits: 2

Grading Method: Regular

*Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI640 or BUSM610.*

*Focuses on the valuation of the real assets of firms as well as the valuation of stocks and bonds, the primary financial assets in an economy. While details vary, the conceptual foundations of valuation boil down to three themes: time value of money, no-arbitrage, and systematic risk.*

|      |   |                              |
|------|---|------------------------------|
| 0101 | Michael Faulkender<br><b>Meets August 28, 2017 - December 5, 2017</b><br>Tu 2:00pm - 3:50pm | Seats (Total: 0)<br>VMH 1505 |
| 0201 | Michael Faulkender<br><b>Meets August 28, 2017 - December 5, 2017</b><br>Tu 4:00pm - 5:50pm | Seats (Total: 0)<br>VMH 1505 |

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## **BUSM612      Marketing Management**

(Perm req)

Credits: 2      Grading Method: Regular

*Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI650 or BUSM612.*

*Analysis of marketing problems and evaluation of specific marketing efforts regarding the organization's products and services, pricing activities, channel selection, and promotion strategies in both domestic and international markets.*

|      |  |                              |
|------|--|------------------------------|
| 0101 | David Godes<br><b>Meets October 23, 2017 - December 14, 2017</b><br>MW 4:00pm - 5:50pm | Seats (Total: 0)<br>VMH 1505 |
| 0201 | David Godes<br><b>Meets October 23, 2017 - December 14, 2017</b><br>MW 2:00pm - 3:50pm | Seats (Total: 0)<br>VMH 1505 |

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## **BUSM614      Strategic Management**

(Perm req)

Credits: 2      Grading Method: Regular

*Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI690 or BUSM614.*

*Analyze and identify profit opportunities and threats in different industry and competitive environments; Analyze and identify a firm's valuable assets, resources and capabilities and how they might be protected, leveraged, and extended in the market; Learn how to organize your company to be the best prepared to adapt its strategy over time as the market environment changes; and how to use organic growth as well as mergers, acquisitions, joint ventures, alliances, and divestitures to ensure that the firm maintains the proper scale and scope to compete effectively over time.*

|      |   |                  |
|------|---|------------------|
| 0101 | Paulo Prochno                                     | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | MW 10:00am - 11:50am                              | VMH 1505         |
| 0201 | Paulo Prochno                                     | Seats (Total: 0) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                  |
|      | MW 8:00am - 9:50am                                | VMH 1505         |

## BUSM626

### The Global Economic Environment

Credits: 2                      Grading Method: Regular

*Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI683 or BUSM626.*

*Relationship between national and international economic environments. Determinants of output, interest rates, prices and exchange rates. Analysis of effect of economic policies (fiscal, monetary, trade, tax) on the firm and the economy.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Charles Olson                                   | Seats (Total: 47) |
|      | <b>Meets August 22, 2017 - October 14, 2017</b> |                   |
|      | TuTh 2:00pm - 3:50pm                            | VMH 1511          |
| 0201 | Charles Olson                                   | Seats (Total: 49) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                   |
|      | TuTh 4:00pm - 5:50pm                            | VMH 1511          |

## BUSM703

### Marketing Strategy

Credits: 2                      Grading Method: Regular

*Prerequisite: BUSM612. Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUMK757 or BUSM703.*

*A capstone marketing course. Marketing strategies designed to manage products in selected market segments. Topics covered include competitor analysis, buyer analysis, market segments, and product strengths and weaknesses; product related issues are identified and marketing strategies developed, assessed and implemented.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Laurent Fabre                                     | Seats (Total: 47) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                   |
|      | MW 4:00pm - 5:50pm                                | VMH 1528          |

## **BUSM708**

### **Independent Study in Business**

Credits: 1-6

Grading Method: Regular

*Independent study for Masters students in Business.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Charles Olson                                   | Seats (Total: 10) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                   |
|      | Contact instructor or department for details.   |                   |
| 0201 | Instructor: TBA                                 | Seats (Total: 10) |
|      | Contact instructor or department for details.   |                   |
| 0301 | Instructor: TBA                                 | Seats (Total: 10) |
|      | Contact instructor or department for details.   |                   |
| 0401 | Instructor: TBA                                 | Seats (Total: 10) |
|      | Contact instructor or department for details.   |                   |
| 0501 | Instructor: TBA                                 | Seats (Total: 10) |
|      | Contact instructor or department for details.   |                   |
| 0601 | Instructor: TBA                                 | Seats (Total: 10) |
|      | Contact instructor or department for details.   |                   |
| 0701 | Instructor: TBA                                 | Seats (Total: 10) |
|      | Contact instructor or department for details.   |                   |
| 0801 | Instructor: TBA                                 | Seats (Total: 10) |
|      | Contact instructor or department for details.   |                   |

|      |  |                   |
|------|--|-------------------|
| 0901 | Instructor: TBA<br>Contact instructor or department for details. | Seats (Total: 10) |
| 1001 | Instructor: TBA<br>Contact instructor or department for details. | Seats (Total: 10) |

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## **BUSM710      Advanced Marketing Analytics Models**

Credits: 2                      Grading Method: Regular

*Prerequisite: BUSM612. Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUMK706 or BUSM705.*

*Introduction to modeling tools used to support marketing analysis and decision making. Applications in strategic marketing, marketing segmentation, new product development, sales promotion analysis, pricing, design of marketing mix, sales force allocation, and direct marketing. Spreadsheet driven cases and illustrative readings.*

|      |  |   |
|------|--|---|
| 0101 | Jie Zhang<br><br><b>Meets August 28, 2017 - October 16, 2017</b><br><br>MW 2:00pm - 3:50pm | Seats (Total: 47)<br><br><br><br>VMH 1511 |
|------|--|---|

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## **BUSM711      Pricing Strategies for Sustainable Competitive Advantage**

Credits: 2                      Grading Method: Regular

*Prerequisite: BUSM612. Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business.*

*Pricing is one of the most important marketing decisions a firm faces. This course will help participants to develop pricing strategies using actual proven concepts, processes and techniques, to align pricing strategies with corporate goals and objectives, to determine the value customers assign to products and services using competitive pricing analysis, and to optimize pricing using customer segmenting strategies. The course will focus on both economic and behavioral aspects of pricing, and evaluation of innovative pricing practices such as price matching, customized pricing, bundle pricing and product line pricing, covering both B2B and B2C markets. Instruction will be through a mix of case studies, pricing simulation games, hands-on exercises and discussions. The course will provide participants with an in-depth understanding of state-of-the-art pricing strategies, practices and techniques for making profitable and sustainable pricing decisions.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Pallassana Kannan                               | Seats (Total: 47) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                   |
|      | TuTh 8:00am - 9:50am                            | VMH 1505          |

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## **BUSM714 Integrated Marketing Communications**

Credits: 2                      Grading Method: Regular

*Prerequisite: BUSM612. Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUMK717 or BUSM707.*

*Marketing communications are a complex but critical component of marketing strategy. Topics include communication tools: advertising, sales promotions, corporation communications, one-on-one or direct marketing, public relations, internet communications, sponsorship/events marketing, and marketing communication plans: defining objectives, implementing the plan, and measuring communications effectiveness. Achieving integration in the content, look, and feel of all marketing communications is stressed.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Jeremy Brown                                      | Seats (Total: 35) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                   |
|      | MW 2:00pm - 3:50pm                                | VMH 1518          |

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## **BUSM736 Corporate Risk Management**

Credits: 2                      Grading Method: Regular

*Prerequisite: BUSM610. Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUFN754 or BUSM736.*

*Surveys the theory and practice of financial risk identification, measurement, and mitigation at financial and non-financial firms. Topics will include hedging with options and futures, interest rate risk management, Value-at-Risk (VaR), Cashflow-at-Risk (CaR), Earnings-at-Risk (EaR), credit risk, equity risk, commodities risk, exchange rate risk, and lessons from risk management disasters.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Clifford Rossi                                    | Seats (Total: 35) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                   |
|      | MW 4:00pm - 5:50pm                                | VMH 1518          |

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## **BUSM738A Investment Fund Management; Mayer Fund**



(Perm req)

Credits: 3

Grading Method: Regular

*Provides second-year Master in Business Administration students with the opportunity to apply the skills learned in finance classes to actual investment decisions through management of an investment fund.*

**Contact department for information to register for this course.**

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**BUSM738B****Investment Fund Management; New Market Growth**

(Perm req)

Credits: 2

Grading Method: Regular

*Provides second-year Master in Business Administration students with the opportunity to apply the skills learned in finance classes to actual investment decisions through management of an investment fund.*

**Contact department for information to register for this course.**

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**BUSM741****Financial Restructuring**

Credits: 2

Grading Method: Regular

*Prerequisite: BUSM610. Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUFN752 or BUSM741.*

*Focuses on identifying ways to increase firm value through corporate restructuring. Specific topics include: mergers and tender offers, spin-offs, carve-outs, divestitures, takeover defense strategies, leveraged buy-outs, and international acquisitions. Additionally, the theory, practice and empirical evidence related to each of these topics will be covered. Emphasis will be placed on valuation analysis and strategic considerations.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Richmond Mathews                                | Seats (Total: 35) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b> |                   |
|      | MW 2:00pm - 3:50pm                              | VMH 1518          |

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**BUSM750****Project Management in Dynamic Environments**

Credits: 2

Grading Method: Regular

*Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI785 or BUSM750.*

*Addresses project management skills that are required by successful managers in increasingly competitive and faster-moving environments. Examines fundamental concepts of successful project management, and the technical and managerial issues, methods, and techniques.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Barnet Corwin                                   | Seats (Total: 47) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                   |
|      | TuTh 10:00am - 11:50am                          | VMH 1505          |

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**BUSM752 Games of Strategy and Incentives**

Credits: 4                      Grading Method: Regular

*Prerequisite: Permission of BMGT-Robert H. Smith School of Business. Or BUSM610; and BUSM604; and BUSM614. Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business.*

*Analysis of managerial decisions in strategic environments using tools from game theory; competition and cooperation in product markets; principal-agent model and the economics of incentives; analytical foundations of behavioral constructs such as reputation, commitment and credibility.*

|      |  |                   |
|------|--|-------------------|
| 0101 | Shreevardhan Lele                                | Seats (Total: 54) |
|      | <b>Meets August 28, 2017 - December 14, 2017</b> |                   |
|      | MW 10:00am - 11:50am                             | VMH 1511          |

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**BUSM754 Competitive and Collaborative Negotiation**

Credits: 2                      Grading Method: Regular

*Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUMO714 or BUSM754.*

*Increase negotiating self-confidence and improve capacity to achieve win-win solutions to organizational problems. Improve effectiveness at finding creative solutions to conflict.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Vijaya Venkataramani                              | Seats (Total: 42) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                   |
|      | TuTh 2:00pm - 3:50pm                              | VMH 1511          |
| 0201 | Vijaya Venkataramani                              | Seats (Total: 42) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                   |
|      | TuTh 4:00pm - 5:50pm                              | VMH 1511          |

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**BUSM758A Special Topics in Business; Angel Investing**

(Perm req)

Credits: 2

Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in business.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Elana Fine          | Seats (Total: 18) |
|      | F 10:00am - 11:50am | VMH 2509          |

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**BUSM758G Special Topics in Business; Global Trade Logistics**

Credits: 2

Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in business.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Gary Cohen                                      | Seats (Total: 36) |
|      | <b>Meets August 28, 2017 - October 14, 2017</b> |                   |
|      | TuTh 8:00am - 9:50am                            | VMH 1335          |

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**BUSM764 Pricing and Revenue Management**

Credits: 2

Grading Method: Regular

*Prerequisite: BUSM606; and BUSM624. Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUDT775 or BUSM764.*

*Specialized course on pricing and revenue management (PRM) that provide students with tools and principles, drawn from several disciplines (Operations, Microeconomics, Decision Modeling, Statistics, Marketing, IS) to make effective pricing decisions. Topics covered include economics of pricing, strategy and tactics of PRM, pricing optimization, differentiated pricing, dynamic pricing, mark-down pricing, legal and ethical issues in models/methods used in making effective PRM decisions and managerial or organizational factors that hold the key to success in execution of PRM.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Michael Ball                                      | Seats (Total: 50) |
|      | <b>Meets October 23, 2017 - December 14, 2017</b> |                   |
|      | TuTh 10:00am - 11:50am                            | VMH 1335          |

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**BUSM775 Global Strategy**

Credits: 2

Grading Method: Regular

*Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUMO754 or BUSM775.*

*Focuses on the "strategic" and "organizational" questions that a company must address as it globalizes its footprint. Among the questions that will be addressed are: What are the potential benefits, costs, and risks associated with going abroad? What differentiates a "global" from a "multidomestic" industry? What are the sources of competitive advantage in a global context?*

|      |   |                   |
|------|---|-------------------|
| 0101 | Paulo Prochno                                   | Seats (Total: 47) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b> |                   |
|      | MW 4:00pm - 5:50pm                              | VMH 1520          |

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**BUSM778B Introduction to Global Business Experience; Doing Business in Brazil**

Credits: 1                      Grading Method: Regular

*Introduction to the economic climate of the country and region, history political influences on business landscape, and specific opportunities and threats of doing business in the destination country. Course is a prerequisite to short-term study abroad classes.*

|      |                     |                   |
|------|---------------------|-------------------|
| GL01 | Paulo Prochno       | Seats (Total: 10) |
|      | Su 12:00pm - 1:00pm | VMH 1303          |

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**BUSM778C Introduction to Global Business Experience; Doing Business in China**

Credits: 1                      Grading Method: Regular

*Introduction to the economic climate of the country and region, history political influences on business landscape, and specific opportunities and threats of doing business in the destination country. Course is a prerequisite to short-term study abroad classes.*

|      |                     |                  |
|------|---------------------|------------------|
| GL01 | Zhi-Long Chen       | Seats (Total: 2) |
|      | Su 12:00pm - 1:00pm | VMH 1307         |

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**BUSM778E Introduction to Global Business Experience; Doing Business in Europe**

Credits: 1                      Grading Method: Regular

*Introduction to the economic climate of the country and region, history political influences on business landscape, and specific opportunities and threats of doing business in the destination country. Course is a prerequisite to short-term study abroad classes.*

|      |                     |                   |
|------|---------------------|-------------------|
| GL01 | Charles Olson       | Seats (Total: 10) |
|      | Su 12:00pm - 1:00pm | VMH 1336          |

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**BUSM778G Introduction to Global Business Experience; Doing Business in India**

Credits: 1                      Grading Method: Regular

*Introduction to the economic climate of the country and region, history political influences on business landscape, and specific opportunities and threats of doing business in the destination country. Course is a prerequisite to short-term study abroad classes.*

|      |                     |                  |
|------|---------------------|------------------|
| GL01 | Progyan Basu        | Seats (Total: 7) |
|      | Su 12:00pm - 1:00pm | VMH 1314         |

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**BUSM778J      Introduction to Global Business Experience; Doing Business in South Africa**

Credits: 1                      Grading Method: Regular

*Introduction to the economic climate of the country and region, history political influences on business landscape, and specific opportunities and threats of doing business in the destination country. Course is a prerequisite to short-term study abroad classes.*

|      |                     |                  |
|------|---------------------|------------------|
| GL01 | Bennet Zelner       | Seats (Total: 8) |
|      | Su 12:00pm - 1:00pm | VMH 1330         |

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**BUSM778M      Introduction to Global Business Experience; Doing Business in the UAE**

Credits: 1                      Grading Method: Regular

*Introduction to the economic climate of the country and region, history political influences on business landscape, and specific opportunities and threats of doing business in the destination country. Course is a prerequisite to short-term study abroad classes.*

|      |                     |                  |
|------|---------------------|------------------|
| GL01 | Hassan Ibrahim      | Seats (Total: 6) |
|      | Su 12:00pm - 1:00pm | VMH 1333         |

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**BUSM778Y      Introduction to Global Business Experience; Doing Business in Japan and Singapore**

Credits: 1                      Grading Method: Regular

*Introduction to the economic climate of the country and region, history political influences on business landscape, and specific opportunities and threats of doing business in the destination country. Course is a prerequisite to short-term study abroad classes.*

|      |                     |                  |
|------|---------------------|------------------|
| GL01 | Cristian Dezso      | Seats (Total: 5) |
|      | Su 12:00pm - 1:00pm | VMH 1335         |

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**BUSM798J      Business Consulting; Business Systems Design for Innovation**

(Perm req)

Credits: 3                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in business.*

|      |  |                   |
|------|--|-------------------|
| 0101 | Joseph Bailey                                    | Seats (Total: 18) |
|      | <b>Meets August 28, 2017 - December 14, 2017</b> |                   |
|      | Th 2:00pm - 3:50pm                               | VMH 2505          |
|      | Class time/details on ELMs                       | ONLINE            |

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**BUSM798Q Business Consulting; Business Problem Solving Practicum**

(Perm req)

Credits: 4      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in business.*

|      |  |                   |
|------|--|-------------------|
| 0101 | Albert Krall, Nicole Coomber                     | Seats (Total: 30) |
|      | <b>Meets August 28, 2017 - December 14, 2017</b> |                   |
|      | MW 8:00am - 9:50am                               | VMH 1330          |

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**CBMG Cell Biology & Molecular Genetics Fall 2017**

**CBMG688A Special Topics in Cell Biology and Molecular Genetics; Research Experiences**

Credits: 2      Grading Method: Regular,  
Audit

*Presentation and discussion of fundamental problems and special subject in the topics of Cell Biology and Molecular Genetics.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Kevin McIver                                  | Seats (Total: 20) |
|      | Tu 12:00pm - 3:00pm                           | MCB 2119          |
|      | Contact instructor or department for details. |                   |
| 0201 | Instructor: TBA                               | Seats (Total: 20) |
|      | Contact instructor or department for details. |                   |

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**CBMG688D Special Topics in Cell Biology and Molecular Genetics; Genetics: Cell Biology I - Structure and Function**

Credits: 2      Grading Method: Regular,  
Audit

*Presentation and discussion of fundamental problems and special subject in the topics of Cell Biology and Molecular Genetics.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Wenxia Song, Sougata Roy                          | Seats (Total: 30) |
|      | <b>Meets October 16, 2017 - December 11, 2017</b> |                   |
|      | TuTh 4:00pm - 6:00pm                              | MCB 1207          |

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**CBMG688J      Special Topics in Cell Biology and Molecular Genetics; Genetics: Immunology and Host Defense**

Credits: 2                      Grading Method: Regular,  
   Audit

*Presentation and discussion of fundamental problems and special subject in the topics of Cell Biology and Molecular Genetics.*

|      |   |                   |
|------|---|-------------------|
| 0101 | David Mosser, Roy Mariuzza                      | Seats (Total: 20) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b> |                   |
|      | MW 4:00pm - 6:00pm                              | MCB 2119          |

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**CBMG688K      Special Topics in Cell Biology and Molecular Genetics; Genetics: Molecular Virology**

Credits: 2                      Grading Method: Regular,  
   Audit

*Presentation and discussion of fundamental problems and special subject in the topics of Cell Biology and Molecular Genetics.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Jeffrey DeStefano, Margaret Scull                 | Seats (Total: 20) |
|      | <b>Meets October 16, 2017 - December 11, 2017</b> |                   |
|      | MW 3:00pm - 5:00pm                                | BRB 1210          |

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**CBMG688M      Special Topics in Cell Biology and Molecular Genetics; Microbial Genetics**

Credits: 2                      Grading Method: Regular,  
   Audit

*Presentation and discussion of fundamental problems and special subject in the topics of Cell Biology and Molecular Genetics.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Richard Stewart, Vincent Lee                      | Seats (Total: 15) |
|      | <b>Meets October 16, 2017 - December 11, 2017</b> |                   |
|      | MW 8:00am - 9:50am                                | HJP 2119          |

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Credits: 1-3      Grading Method: Regular, Audit



**Contact department for information to register for this course.**

|      |   |                   |
|------|---|-------------------|
| 0101 | Stephen Mount                                 | Seats (Total: 20) |
|      | Contact instructor or department for details. |                   |

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Gili Ad-Marbach    | Seats (Total: 12) |
|      | W 12:00pm - 1:40pm | BPS 1208          |

|      |   |                   |
|------|---|-------------------|
| 0101 | Stephen Mount                                 | Seats (Total: 20) |
|      | Contact instructor or department for details. |                   |

Credits: 1      Grading Method: Regular, Audit

*Emphasis is placed on research and discussion of current problems in th area of Cell Biology and Molecular Genetics.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | David Mosser       | Seats (Total: 20) |
|      | F 9:00am - 10:30am | MCB 2119          |

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**CBMG699Y Special Problems in Cell Biology and Molecular Genetics; Plant Cell Biology Journal Club**

Credits: 1                      Grading Method: Regular,  
   Audit

*Emphasis is placed on research and discussion of current problems in th area of Cell Biology and Molecular Genetics.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Zhongchi Liu        | Seats (Total: 20) |
|      | M 11:00am - 12:00pm | BRB 3101          |

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**CBMG699Z Special Problems in Cell Biology and Molecular Genetics; Protein Translation**

Credits: 1                      Grading Method: Regular,  
   Audit

*Emphasis is placed on research and discussion of current problems in th area of Cell Biology and Molecular Genetics.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Jonathan Dinman    | Seats (Total: 20) |
|      | F 9:30am - 10:30am | MCB 1121          |

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**CBMG799 Masters Thesis Research**

Credits: 1-6                      Grading Method: Regular, Sat-  
   Fail

*Master's Thesis Research in Cell Biology and Molecular Genetics.*

**Contact department for information to register for this course.**

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**CBMG898 Pre-Candidacy Research**

Credits: 1-8                      Grading Method: Regular

*Pre-candidacy Research.*

**Contact department for information to register for this course.**

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**CBMG899 Doctoral Dissertation Research**

(Perm req)

Credits: 6

Grading Method: Regular, Sat-Fail

*Doctoral Dissertation Research.*

**Contact department for information to register for this course.**

**CCJS**

## **Criminology and Criminal Justice**

**Fall 2017**

**CCJS100**

### **Introduction to Criminal Justice**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: SB

General Education: DSHS

*Introduction to the administration of criminal justice in a democratic society, with emphasis on the theoretical and historical development of law enforcement. The principles of organization and administration for law enforcement; functions and specific activities; planning and research; public relations; personnel and training; inspection and control; direction; policy formulation.*

|      |  |   |            |
|------|--|---|------------|
| 0101 | Justine Madoo<br>MW 9:00am - 9:50am<br>M 10:00am - 10:50am | Seats (Total: 32)<br>SKN 0200<br>KEY 0100 | Discussion |
| 0102 | Justine Madoo<br>MW 9:00am - 9:50am<br>M 11:00am - 11:50am | Seats (Total: 32)<br>SKN 0200<br>KEY 0100 | Discussion |
| 0103 | Justine Madoo<br>MW 9:00am - 9:50am<br>M 12:00pm - 12:50pm | Seats (Total: 32)<br>SKN 0200<br>KEY 0100 | Discussion |
| 0104 | Justine Madoo<br>MW 9:00am - 9:50am<br>M 1:00pm - 1:50pm   | Seats (Total: 32)<br>SKN 0200<br>KEY 0100 | Discussion |
| 0105 | Justine Madoo<br>MW 9:00am - 9:50am<br>W 10:00am - 10:50am | Seats (Total: 32)<br>SKN 0200<br>KEY 0100 | Discussion |
| 0106 | Justine Madoo<br>MW 9:00am - 9:50am<br>W 11:00am - 11:50am | Seats (Total: 32)<br>SKN 0200<br>KEY 0100 | Discussion |
| 0107 | Justine Madoo<br>MW 9:00am - 9:50am<br>W 12:00pm - 12:50pm | Seats (Total: 32)<br>SKN 0200<br>JMZ 0125 | Discussion |

|      |   |   |            |
|------|---|---|------------|
| 0108 | Justine Madoo<br>MW 9:00am - 9:50am<br>W 1:00pm - 1:50pm  | Seats (Total: 32)<br>SKN 0200<br>KEY 0100 | Discussion |
| 0201 | Justine Madoo<br>TuTh 3:00pm - 3:50pm<br>Tu 9:30am - 10:20am                                      | Seats (Total: 30)<br>LEF 2205<br>LEF 1220 | Discussion |
| 0202 | Justine Madoo<br>TuTh 3:00pm - 3:50pm<br>Tu 8:30am - 9:20am                                       | Seats (Total: 30)<br>LEF 2205<br>ASY 3219 | Discussion |
| 0203 | Justine Madoo<br>TuTh 3:00pm - 3:50pm<br>Tu 12:30pm - 1:20pm                                      | Seats (Total: 30)<br>LEF 2205<br>EDU 3233 | Discussion |
| 0204 | Justine Madoo<br>TuTh 3:00pm - 3:50pm<br>W 10:00am - 10:50am                                      | Seats (Total: 30)<br>LEF 2205<br>JMZ 0208 | Discussion |
| 0205 | Justine Madoo<br>TuTh 3:00pm - 3:50pm<br>W 11:00am - 11:50am                                      | Seats (Total: 30)<br>LEF 2205<br>KNI 1105 | Discussion |
| 0206 | Justine Madoo<br>TuTh 3:00pm - 3:50pm<br>Th 11:00am - 11:50am                                     | Seats (Total: 30)<br>LEF 2205<br>BPS 1238 | Discussion |
| 0207 | Justine Madoo<br>TuTh 3:00pm - 3:50pm<br>W 12:00pm - 12:50pm                                      | Seats (Total: 30)<br>LEF 2205<br>JMZ 0122 | Discussion |
| 0208 | Justine Madoo<br>TuTh 3:00pm - 3:50pm<br>W 2:00pm - 2:50pm  | Seats (Total: 30)<br>LEF 2205<br>KNI 1103 | Discussion |
| FC01 | Emily Glazener<br>MW 3:00pm - 4:15pm<br><br><i>Restricted to students in Freshman Connection.</i> | Seats (Total: 30)<br>ASY 3219             |            |

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB      General Education: DSHS

*Criminal behavior and the methods of its study; causation; typologies of criminal acts and offenders; punishment, correction and incapacitation; prevention of crime.*

|      |  |   |            |
|------|--|---|------------|
| 0101 | Katie Zafft<br>MW 10:00am - 10:50am<br>M 9:00am - 9:50am   | Seats (Total: 35)<br>SKN 0200<br>SQH 1107 | Discussion |
| 0102 | Katie Zafft<br>MW 10:00am - 10:50am<br>M 11:00am - 11:50am | Seats (Total: 35)<br>SKN 0200<br>SYM 0215 | Discussion |
| 0103 | Katie Zafft<br>MW 10:00am - 10:50am<br>M 12:00pm - 12:50pm | Seats (Total: 32)<br>SKN 0200<br>HBK 1112 | Discussion |
| 0104 | Katie Zafft<br>MW 10:00am - 10:50am<br>M 1:00pm - 1:50pm   | Seats (Total: 35)<br>SKN 0200<br>HBK 0105 | Discussion |
| 0105 | Katie Zafft<br>MW 10:00am - 10:50am<br>W 9:00am - 9:50am   | Seats (Total: 32)<br>SKN 0200<br>HBK 1112 | Discussion |
| 0106 | Katie Zafft<br>MW 10:00am - 10:50am<br>W 11:00am - 11:50am | Seats (Total: 35)<br>SKN 0200<br>LEF 1201 | Discussion |
| 0107 | Katie Zafft<br>MW 10:00am - 10:50am<br>W 12:00pm - 12:50pm | Seats (Total: 32)<br>SKN 0200<br>HBK 1112 | Discussion |
| 0108 | Katie Zafft<br>MW 10:00am - 10:50am<br>W 1:00pm - 1:50pm   | Seats (Total: 35)<br>SKN 0200<br>LEF 1220 | Discussion |
| 0201 | Katie Zafft<br>TuTh 12:30pm - 1:20pm<br>W 9:00am - 9:50am  | Seats (Total: 35)<br>SKN 0200<br>LEF 1201 | Discussion |

|      |   |   |            |
|------|---|---|------------|
| 0202 | Katie Zafft<br>TuTh 12:30pm - 1:20pm<br>Tu 8:30am - 9:20am  | Seats (Total: 32)<br>SKN 0200<br>HBK 1112 | Discussion |
| 0203 | Katie Zafft<br>TuTh 12:30pm - 1:20pm<br>Tu 2:00pm - 2:50pm  | Seats (Total: 35)<br>SKN 0200<br>MTH 0304 | Discussion |
| 0204 | Katie Zafft<br>TuTh 12:30pm - 1:20pm<br>Tu 3:00pm - 3:50pm  | Seats (Total: 35)<br>SKN 0200<br>MTH 0304 | Discussion |
| 0205 | Katie Zafft<br>TuTh 12:30pm - 1:20pm<br>W 12:00pm - 12:50pm   | Seats (Total: 35)<br>SKN 0200<br>LEF 1201 | Discussion |
| 0206 | Katie Zafft<br>TuTh 12:30pm - 1:20pm<br>Th 8:30am - 9:20am  | Seats (Total: 32)<br>SKN 0200<br>HBK 1112 | Discussion |
| 0207 | Katie Zafft<br>TuTh 12:30pm - 1:20pm<br>W 1:00pm - 1:50pm   | Seats (Total: 32)<br>SKN 0200<br>HBK 1112 | Discussion |
| 0208 | Katie Zafft<br>TuTh 12:30pm - 1:20pm<br>Th 3:00pm - 3:50pm  | Seats (Total: 35)<br>SKN 0200<br>PLS 1111 | Discussion |
| FC02 | Michelle Fabiani<br>MW 4:30pm - 5:45pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 30)<br>LEF 1220             |            |

**CCJS200**

(Perm req)

**Statistics for Criminology and Criminal Justice**

Credits: 3

 Grading Method: Regular,  
Pass-Fail, Audit

General Education: FSAR

*Prerequisite: CCJS100 or CCJS105. And 1 course with a minimum grade of C- from (STAT100, MATH107, MATH111, MATH120, MATH130, MATH140); or must have completed MATH220 with a minimum grade of C-. Restriction: Must be in Criminology and Criminal Justice program; or permission of BSOS-Criminology & Criminal Justice department. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, INST314, JOUR405, PSYC200 or SOCY201. (These courses do not necessarily meet the same major requirements-check with your advisor to see which of these courses will count for your major).*

*Introduction to descriptive and inferential statistics, graphical techniques, and the computer analysis of criminology and criminal justice data. Basic procedures of hypothesis testing, correlation and regression analysis, and the analysis of continuous and binary dependent variables. Emphasis upon the examination of research problems and issues in criminology and criminal justice.*

|      |                        |                   |  |            |
|------|------------------------|-------------------|--|------------|
| 0201 | Miranda Galvin         | Seats (Total: 35) |  |            |
|      | TuTh 11:00am - 12:15pm | SKN 0200          |  |            |
|      | Th 2:00pm - 2:50pm     | WDS 1114          |  | Discussion |
| 0202 | Miranda Galvin         | Seats (Total: 35) |  |            |
|      | TuTh 11:00am - 12:15pm | SKN 0200          |  |            |
|      | Th 3:00pm - 3:50pm     | WDS 1114          |  | Discussion |
| 0203 | Miranda Galvin         | Seats (Total: 35) |  |            |
|      | TuTh 11:00am - 12:15pm | SKN 0200          |  |            |
|      | F 11:00am - 11:50am    | CHM 0119          |  | Discussion |
| 0204 | Miranda Galvin         | Seats (Total: 35) |  |            |
|      | TuTh 11:00am - 12:15pm | SKN 0200          |  |            |
|      | F 12:00pm - 12:50pm    | HBK 0105          |  | Discussion |
| 0205 | Miranda Galvin         | Seats (Total: 30) |  |            |
|      | TuTh 11:00am - 12:15pm | SKN 0200          |  |            |
|      | Th 10:00am - 10:50am   | JMZ 2207          |  | Discussion |
| 0206 | Miranda Galvin         | Seats (Total: 30) |  |            |
|      | TuTh 11:00am - 12:15pm | SKN 0200          |  |            |
|      | F 1:00pm - 1:50pm      | KEY 0121          |  | Discussion |

## CCJS225

## Responses to Violence

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSHS,  
DSSP, SCIS

*Conflict is unfortunately resolved through violence in a number of settings. It ranges from interpersonal to international in its scope. This course investigates the strengths and weakness of a number of resolutions to reducing violence over the course of history using both state centered and informal control.*

|      |                                      |                               |
|------|--------------------------------------|-------------------------------|
| 0101 | Katie Zafft<br>MWF 9:00am - 9:50am   | Seats (Total: 50)<br>KEY 0103 |
| 0201 | Katie Zafft<br>MWF 11:00am - 11:50am | Seats (Total: 50)<br>TYD 2109 |
| 0301 | Laura Dugan<br>M 4:00pm - 6:30pm     | Seats (Total: 50)<br>TYD 1118 |

## **CCJS230**

### **Criminal Law in Action**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CCJS100.*

*Law as one of the methods of social control. Criminal law: its nature, sources and types; theories and historical developments. Behavioral and legal aspects of criminal acts. Classification and analysis of selected criminal offenses.*

|      |  |                                |
|------|--|--------------------------------|
| 0101 | Christine White<br>MWF 10:00am - 10:50am | Seats (Total: 100)<br>SQH 1120 |
| 0201 | Russell Hamill<br>W 4:00pm - 6:30pm      | Seats (Total: 100)<br>KEY 0106 |

## **CCJS234**

### **Law of Criminal Investigation**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CCJS100 and CCJS230.*

*General principles and theories of criminal procedure. Due process. Arrest, search and seizure. Recent developments. Study and evaluation of evidence and proof.*

|      |                                   |                                |
|------|-----------------------------------|--------------------------------|
| 0101 | David Salem<br>Th 6:00pm - 8:30pm | Seats (Total: 100)<br>TYD 0117 |
|------|-----------------------------------|--------------------------------|



**CCJS300****Criminological and Criminal Justice Research Methods**

(Perm req)

Credits: 3

Grading Method: Regular

General Education: DSSP

*Prerequisite: CCJS100 and CCJS105; and (PSYC200, CCJS200, ECON321, BMGT230, or SOCY201).**Introduction to the formulation of research questions covering crime and justice, research designs, data collection, and interpretation and reporting in criminological and justice-system settings.*

|      |  |                   |
|------|--|-------------------|
| 0101 | Laure Brooks                                       | Seats (Total: 60) |
|      | MWF 9:00am - 9:50am                                | LEF 2166          |
| 0201 | Laure Brooks                                       | Seats (Total: 60) |
|      | MWF 11:00am - 11:50am                              | LEF 2166          |
| 0301 | Alan Lehman  | Seats (Total: 60) |
|      | TuTh 12:30pm - 1:45pm                              | LEF 2166          |
| 0401 | Alan Lehman  | Seats (Total: 60) |
|      | TuTh 11:00am - 12:15pm                             | LEF 2166          |
| SG91 | Wendy Stickle                                      | Seats (Total: 40) |
|      | W 9:30am - 12:00pm                                 | BLD2 1022         |
|      | <i>Restricted to CCJS students at Shady Grove.</i> |                   |

**CCJS310****Criminal Investigations**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit*Prerequisite: CCJS100 and CCJS230.**An introduction to modern methods used in detection, investigation, and solution of crime. Students will be taught basic and advanced investigative techniques utilized by law enforcement agencies. Analysis of actual cases will be used to demonstrate practical uses of these techniques.*

|      |  |                   |
|------|--|-------------------|
| SG91 | Shawn Eastman                                      | Seats (Total: 40) |
|      | Th 11:00am - 1:30pm                                | BLD3 2226         |
|      | <i>Restricted to CCJS students at Shady Grove.</i> |                   |

|  |                     |                   |
|--|---------------------|-------------------|
| SG92   | Charles Jordan      | Seats (Total: 40) |
|  | MW 9:30am - 10:45am | BLD2 3012         |
| <i>Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.</i> |                     |                   |

## CCJS320

### Introduction to Criminalistics

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CCJS100 and CCJS230.*

*An introduction to modern methods used in the detection, investigation and solution of crimes. Practical analysis of evidence in a crime laboratory, including fingerprints and other impressions, firearms ID and ballistics, hairs and fibers, document examination, and use of polygraph.*

This class is taught using a "blended learning" format divided equally with presentation of online recorded lectures, case studies, webcasts and readings; and practical examination of criminalistics procedures and evidence identification exercises in the CCJS Crime Laboratory. There are lab fees associated with this course.

|      |                            |                   |
|------|----------------------------|-------------------|
| BL01 | Thomas Mauriello           | Seats (Total: 24) |
|      | Class time/details on ELMs | ONLINE            |
|      | M 11:00am - 1:45pm         | MMH 2401      Lab |
| BL02 | Thomas Mauriello           | Seats (Total: 24) |
|      | Class time/details on ELMs | ONLINE            |
|      | M 2:30pm - 5:15pm          | MMH 2401      Lab |
| BL03 | Thomas Mauriello           | Seats (Total: 24) |
|      | Class time/details on ELMs | ONLINE            |
|      | M 6:00pm - 8:45pm          | MMH 2401      Lab |

## CCJS325

### Slavery in the Twenty First Century: Combating Human Trafficking

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSHS,  
SCIS

*Credit only granted for: CCJS325 or CCJS498R. Formerly: CCJS498R.*

*The trafficking of human beings in its historical, legal, economic, political and social contexts. Scope of the global problem, different forms of human trafficking, and regional trends and practices. Roles of government, the international community and individual actors. Strategies to combat trafficking.*

|      |  |  |
|------|--|--|
| 0101 | Christine White<br>W 2:00pm - 4:30pm                             | Seats (Total: 60)<br>TYD 1101  |
| 0201 | Christine White<br>M 2:00pm - 4:30pm                             | Seats (Total: 60)<br>TYD 1101  |
| SG91 | Louis Morlier<br>M 2:45pm - 4:00pm<br>Class time/details on ELMs | Seats (Total: 40)<br>BLD2 3062<br>ONLINE<br><br><i>Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for all other student to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.</i> |

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### CCJS331 Contemporary Legal Policy Issues

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CCJS100 and CCJS230.*

*In-depth examination of selected topics. Criminal responsibility. Socio-legal policy alternatives with regard to deviance. Law enforcement procedures for civil law and similar legal problems. Admissibility of evidence. Representation. Indigent's right to counsel.*

|      |                                 |   |
|------|---------------------------------|---|
| SG91 | Alan Drew<br>W 9:30am - 12:00pm | Seats (Total: 40)<br>BLD3 2225<br><br><i>Limit to CCJS students at Shady Grove.</i> |
|------|---------------------------------|---|

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### CCJS340 Policing

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CCJS100; or students who have taken courses with comparable content may contact the department.*

*Critical issues relating to policing. Topics include police discretion, role of police, use of force, misconduct, police research, administration, personnel, and etc.*

|      |  |                                |
|------|--|--------------------------------|
| 0101 | Laure Brooks<br>MWF 10:00am - 10:50am  | Seats (Total: 100)<br>TYD 0117 |
| 0201 | David Mitchell<br>TuTh 2:00pm - 3:15pm | Seats (Total: 75)<br>PLS 1130  |

|  |                    |                   |
|--|--------------------|-------------------|
| SG91   | Nicole Romeiser    | Seats (Total: 40) |
|  | W 12:30pm - 3:00pm | BLD3 2226         |
| <i>Restricted to CCJS students at Shady Grove.</i> |                    |                   |

## **CCJS342 Corrections**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CCJS100. Credit only granted for: CCJS342 or CCJS452.*

*Examination of the American correctional system. Identification of historical and contemporary themes, issues, and trends. Evaluation of correctional policies, practices and research.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Kiminori Nakamura    | Seats (Total: 75) |
|      | TuTh 3:30pm - 4:45pm | TYD 2106          |

## **CCJS345 Courts and Sentencing**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CCJS100.*

*Contemporary issues in the American court system such as prosecution, sentencing and punishment. Theoretical perspectives on courtroom decision-making integrated with empirical research. Courts and sentencing processes, including initial charging, pretrial detention and final sentencing outcomes. Innovations in courts and sentencing.*

|   |                       |                   |
|---|-----------------------|-------------------|
| 0101  | James Lynch           | Seats (Total: 75) |
|   | TuTh 9:30am - 10:45am | LEF 2166          |
| SG91  | Alan Drew             | Seats (Total: 40) |
|   | M 12:30pm - 3:00pm    | BLD3 2225         |
| <i>Limit to CCJS students at Shady Grove.</i> |                       |                   |

## **CCJS350 Juvenile Delinquency**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CCJS105. Credit only granted for: CCJS 350 or CCJS 450.*

*Juvenile delinquency in relation to the general problem of crime; analysis of factors underlying juvenile delinquency; treatment and prevention; organization and social responsibility of law enforcement.*

|      |                       |                    |
|------|-----------------------|--------------------|
| 0101 | Katie Zafft           | Seats (Total: 100) |
|      | TuTh 9:30am - 10:45am | KEY 0102           |

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**CCJS358B      Special Topics in Study Abroad III; Criminology in Scandanavia**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**CCJS358E      Special Topics in Study Abroad III; Drugs and Drug Prevention in Central Europe**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**CCJS359      Field Training in Criminology and Corrections**

(Perm req)

Credits: 1-6                      Grading Method: Regular,  
Pass-Fail, Audit

*Supervised field training in public or private social agencies. Group meetings, individual conferences and written program reports.*

Prerequisites: CCJS 105 or CRIM 220; and CCJS 350 or CRIM 450; and permission of department. For majors only.

**Contact department for information to register for this course.**

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**CCJS360      Victimology**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CCJS105.*

*Overview of the history and theory of victimology. Analysis of victimization patterns with special emphasis on types of victims and crimes. The interaction between victims of crime and the criminal justice system with respect to the role of the victim and the services offered to the victim.*

|      |                      |                    |
|------|----------------------|--------------------|
| 0101 | Cortney Fisher       | Seats (Total: 100) |
|      | TuTh 5:00pm - 6:15pm | JMZ 0220           |

|   |                   |                   |
|---|-------------------|-------------------|
| SG91  | Louis Morlier     | Seats (Total: 40) |
|   | W 6:30pm - 9:00pm | BLD3 2226         |
| <i>Limit to CCJS students at Shady Grove.</i> |                   |                   |

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**CCJS370 Race, Crime and Criminal Justice**

(Perm req)

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      , D      General Education: DVUP

*Prerequisite: CCJS100.*

*Role and treatment of racial/ethnic minorities in the criminal justice system. Course will provide students with historical and theoretical framework for understanding this dynamic.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Christine White       | Seats (Total: 75) |
|      | MWF 12:00pm - 12:50pm | TWS 0310          |

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**CCJS386 Experiential Learning**

(Perm req)

Credits: 3      Grading Method: Regular, Pass-Fail

*Restriction: Permission of BSOS-Criminology & Criminal Justice department; and junior standing or higher.*

**Contact department for information to register for this course.**

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**CCJS388H Independent Reading Course in Criminology and Criminal Justice**

(Perm req)

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Designed for the needs of honor students in criminology and criminal justice.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | David Maimon       | Seats (Total: 20) |
|      | Tu 3:30pm - 6:00pm | SQH 1101          |

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**CCJS398 Law Enforcement Field Training**

(Perm req)

Credits: 1-6      Grading Method: Regular, Pass-Fail, Audit

*Supervised, structured and focused field training in law enforcement agencies.*

*Prerequisite: junior standing. For majors only.*

**Contact department for information to register for this course.**

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**CCJS399 Independent Study in Criminology and Criminal Justice**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Integrated reading or research under direction and supervision of a faculty member.*

Prerequisite: written consent of faculty under whose direction the study is to be performed, and at least twelve hours of CCJS credits.

**Contact department for information to register for this course.**

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**CCJS418A Seminar in Criminology and Criminal Justice; Offender Re-Entry**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Selected topics of interest in the field of Criminology and Criminal Justice will be covered.*

Prerequisite: CCJS100 and CCJS105.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Justine Madoo         | Seats (Total: 50) |
|      | TuTh 12:30pm - 1:45pm | TYD 1118          |

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**CCJS418M Seminar in Criminology and Criminal Justice; Cross National Comparisons of Crime and Criminal Justice**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Selected topics of interest in the field of Criminology and Criminal Justice will be covered.*

|      |                   |                   |
|------|-------------------|-------------------|
| SG91 | Laszlo Korossy    | Seats (Total: 40) |
|      | M 3:30pm - 6:00pm | BLD3 2225         |

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*Limit to CCJS students at Shady Grove.*

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**CCJS418P Seminar in Criminology and Criminal Justice; Marijuana, Law and Society**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Selected topics of interest in the field of Criminology and Criminal Justice will be covered.*

Prerequisite: CCJS100 and CCJS105.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Alan Lehman          | Seats (Total: 50) |
|      | TuTh 3:30pm - 4:45pm | TYD 2109          |

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**CCJS418Q Seminar in Criminology and Criminal Justice; Crime and Place**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected topics of interest in the field of Criminology and Criminal Justice will be covered.*

|   |                     |                   |
|---|---------------------|-------------------|
| SG91  | Nicole Romeiser     | Seats (Total: 40) |
|   | Th 12:30pm - 3:00pm | BLD3 3206         |
| <i>Limit to CCJS students at Shady Grove.</i> |                     |                   |

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**CCJS440 Security Administration**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CCJS100 and CCJS340. Credit only granted for: CCJS440 or CCJS498Z. Formerly: CCJS498Z.*

*Designed to introduce students to the complex issues of Security Administration and the critical terrorism issues facing the nation. Emphasis is placed on understanding the historical and contemporary issues effecting U.S. Counterterrorism Policy. It also explores the challenges facing today's security administrators including: ethics, classified information, intelligence, terrorist organizations and incidents, physical and personnel security, transportation and border security issues.*

|   |                            |                   |
|---|----------------------------|-------------------|
| SG91  | Louis Morlier              | Seats (Total: 40) |
|   | W 5:00pm - 6:15pm          | BLD3 2226         |
|   | Class time/details on ELMs | ONLINE            |
| <i>Limit to CCJS students at Shady Grove.</i> |                            |                   |

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**CCJS450 Advanced Juvenile Delinquency**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CCJS105 and CCJS300. Credit only granted for: CCJS350 or CCJS450.*

*Examination of juvenile delinquency in the United States. Nature and extent of juvenile delinquency, historical approaches, sociological and criminological theories and research, social contexts including the institutions of families, schools, and peers, and social responses. Prevention, punishment, and treatment programs, both within and outside of the juvenile justice and criminal justice systems.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Justine Madoo          | Seats (Total: 50) |
|      | TuTh 11:00am - 12:15pm | TYD 2106          |

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**CCJS451****Crime and Delinquency Prevention**

(Perm req)

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Prerequisite: CCJS105 and CCJS300.*

*Methods and programs in prevention of crime and delinquency.*

|   |                       |                   |
|---|-----------------------|-------------------|
| 0101  | Kiminori Nakamura     | Seats (Total: 50) |
|   | TuTh 9:30am - 10:45am | TYD 1101          |
| SG91  | Thomas Alexander      | Seats (Total: 40) |
|   | Tu 11:00am - 1:30pm   | BLD3 2226         |
| <i>Limit to CCJS students at Shady Grove.</i> |                       |                   |

**CCJS452****Treatment of Criminals and Delinquents**

(Perm req)

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Prerequisite: CCJS105 and CCJS300. Credit only granted for: CCJS 342 or CCJS 452.*

*Processes and methods used to modify criminal and delinquent behavior.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Lauren Porter         | Seats (Total: 50) |
|      | MW 2:00pm - 3:15pm    | LEF 2166          |
| 0201 | Sarah Tahamont        | Seats (Total: 50) |
|      | TuTh 12:30pm - 1:45pm | TWS 0320          |

**CCJS453****White Collar and Organized Crime**

(Perm req)

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Prerequisite: CCJS300; and (CCJS350 or CCJS105).*

*Definition, detection, prosecution, sentencing and impact of white collar and organized crime. Special consideration given to the role of federal law and enforcement practices.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | David Weber        | Seats (Total: 50) |
|      | MW 2:00pm - 3:15pm | SQH 1120          |

**CCJS454****Contemporary Criminological Theory**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CCJS300 and CCJS105.*

*Examination of the main theoretical accounts that explain the underlying causes of criminal behaviors. Explore how individual choices, socialization experiences, biological factors and social structure affect criminal behaviors.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Wade Jacobsen          | Seats (Total: 50) |
|      | TuTh 11:00am - 12:15pm | SQH 1117          |

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### **CCJS455**

#### **Dynamics of Planned Change in Criminal Justice I**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CCJS300. Restriction: Permission of BSOS-Criminology & Criminal Justice department.*

*An examination of conceptual and practical issues related to planned change in criminal justice. Emphasis on the development of innovative ideas using a research and development approach to change.*

|      |   |                  |
|------|---|------------------|
| SG91 | Wendy Stickle                                 | Seats (Total: 6) |
|      | Contact instructor or department for details. |                  |

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### **CCJS489H**

#### **Honors Thesis Research**

(Perm req)

Credits: 3

Grading Method: Regular

*Designed for students completing their honors thesis.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | David Maimon      | Seats (Total: 20) |
|      | W 4:00pm - 6:45pm | JMZ 0118          |

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### **CCJS498B**

#### **Selected Topics in Criminology and Criminal Justice; Elder Abuse**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Topics of special interest to advanced undergraduates in criminology and criminal justice. Offered in response to student request and faculty interest.*

|      |   |                   |
|------|---|-------------------|
| SG91 | Heidi Bresee                                  | Seats (Total: 40) |
|      | Tu 12:30pm - 3:00pm                           | BLD3 3206         |
|      | <i>Limit to CCJS students at Shady Grove.</i> |                   |

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**CCJS498I      Selected Topics in Criminology and Criminal Justice; Digital Forensics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics of special interest to advanced undergraduates in criminology an criminal justice. Offered in response to student request and faculty interest.*

|   |                    |                   |
|---|--------------------|-------------------|
| SG91  | John Conroy        | Seats (Total: 30) |
|   | W 12:30pm - 3:00pm | BLD3 3203         |
| <i>Limit to CCJS students at Shady Grove.</i> |                    |                   |

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**CCJS498O      Selected Topics in Criminology and Criminal Justice; Crossover Youth: The intersecction of the Child Welfare System and Criminal Justice System**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics of special interest to advanced undergraduates in criminology an criminal justice. Offered in response to student request and faculty interest.*

|   |                    |                   |
|---|--------------------|-------------------|
| SG91  | April Kaplan       | Seats (Total: 40) |
|   | Th 3:30pm - 6:00pm | BLD3 2225         |
| <i>Limit to CCJS students at Shady Grove.</i> |                    |                   |

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**CCJS498Z      Selected Topics in Criminology and Criminal Justice; A Matter of Life and Death: Criminal Sentencing Issues**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics of special interest to advanced undergraduates in criminology an criminal justice. Offered in response to student request and faculty interest.*

|   |                    |                   |
|---|--------------------|-------------------|
| SG91  | James Trusty       | Seats (Total: 40) |
|   | Tu 6:30pm - 9:00pm | BLD3 2226         |
| <i>Limit to CCJS students at Shady Grove.</i> |                    |                   |

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**CCJS600      Criminal Justice**

Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Must be in one of the following programs (Criminology and Criminal Justice (Master's); Criminology and Criminal Justice (Doctoral)) ; or permission of BSOS-Criminology & Criminal Justice department. Formerly: CJUS600.*

*Current concept of criminal justice in relationship to other concepts in the field. Historical perspective. Criminal justice and social control. Operational implications. Systemic aspects. Issues of evaluation.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Brian Johnson     | Seats (Total: 20) |
|      | W 4:00pm - 6:45pm | LEF 1201          |

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**CCJS601 Policing**

Credits: 3                      Grading Method: Regular

*An introduction to research, theory, and applications of the causes and consequences of police behavior. Community policing, problem-solving methods, police discretion, police misconduct, police crime prevention strategies, and restorative justice.*

**Contact department for information to register for this course.**

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**CCJS604 Policy Analysis Project**

(Perm req)

Credits: 3                      Grading Method: Regular

*An application of statistical and conceptual tools to criminal justice data in the student's area of concentration, resulting in a paper reporting the conceptualization, analytic methods and results. The topic of the independent study will be chosen through individual consultation with the instructor.*

**Contact department for information to register for this course.**

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**CCJS605 Program Evaluation for Criminal Justice**

Credits: 3                      Grading Method: Regular

*Credit only granted for: CCJS605 or CCJS609. Formerly: CCJS609.*

*Designing, implementing and evaluating programs in criminal justice. Topics include diagnosing program needs, planning and tailoring evaluation programs, program monitoring, assessing program impact, program efficiency, and the social context of evaluation.*

**Contact department for information to register for this course.**

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**CCJS611 Statistical Tools for Criminal Justice**

Credits: 3                      Grading Method: Regular

*An introduction to essential statistical concepts for analyzing crime and evaluating criminal justice policies. Interpreting crime trends and correlations, risk and conditional probability analysis for repeat offenders and hot spots of crime, time series analysis, experimental statistics, effect sizes, statistical power and significance.*

**Contact department for information to register for this course.**

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**CCJS620 Fundamentals of Criminological Research**

Credits: 3      Grading Method: Regular, Audit

*Credit only granted for: CCJS498D or CCJS620. Formerly: CCJS498D.*

*Designed to help criminology students understand and apply three important components of statistics: descriptive statistics (including probability theory), fundamentals of statistical inference, and regression analysis. Course assumes familiarity with basic descriptive statistics. The emphasis of the classes on descriptive statistics is the calculation and interpretation of summary statistical measures for describing raw data. Covers the basic rules of probability and different probabilistic processes that could describe criminal activity. The sessions on fundamentals of statistical inferences are designed to provide background for executing and interpreting hypothesis tests and confidence intervals. The latter portion of the course focuses on regression analysis. Uses the statistical software, Stata.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Sarah Tahamont     | Seats (Total: 35) |
|      | Tu 4:00pm - 6:45pm | LEF 2165E         |

## CCJS650 Research Practicum

Credits: 3      Grading Method: Regular

*Provides the opportunity for students to develop and complete a research project, which will provide information on research proficiency for the determination of advancement to doctoral candidacy*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Denise Gottfredson | Seats (Total: 20) |
|      | M 4:00pm - 6:45pm  | LEF 2220CC        |

**CCJS654 History of Criminological Thought**

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: CCJS454; or students who have taken courses with comparable content may contact the department. Formerly: CRIM654.*

*A study of the development of criminological thought from antiquity to the present.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Wade Jacobsen      | Seats (Total: 20) |
|      | Tu 4:00pm - 6:45pm | SQH 1123          |

**CCJS663      Issues in Corporate Crime**

Credits: 3      Grading Method: Regular,  
Audit

*Credit only granted for: CCJS699S or CCJS663. Formerly: CCJS699S.*

*Overview of what is known about corporate crime and criminals (e.g.: similarities to and differences from other offenders and crime types; characteristics of offenders and victims; what counts as corporate crime ; introduction to theoretical frameworks.) Readings and class materials will coalesce around specific issues about which there is much debate but scant empirical research. Discussions will center around what is known, what is not, what needs to be done and how.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Sally Simpson      | Seats (Total: 20) |
|      | Th 4:00pm - 6:45pm | LEF 2165E         |

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**CCJS678F      Advanced Topics in Criminology and Criminal Justice; Criminal Law**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*An analysis of contemporary issues in criminology and criminal justice with special emphasis on research and theory developments.*

**Contact department for information to register for this course.**

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**CCJS678G      Advanced Topics in Criminology and Criminal Justice; Criminal Justice System in China**

Credits: 3      Grading Method: Regular,  
Audit

*An analysis of contemporary issues in criminology and criminal justice with special emphasis on research and theory developments.*

**Contact department for information to register for this course.**

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**CCJS699      Special Criminological Problems**

Credits: 1-3      Grading Method: Regular,  
Audit

*Supervised study of a selected problem in the field of criminal justice.*

**Contact department for information to register for this course.**

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**CCJS699I      Special Criminological Problems; Communities and Crime**

Credits: 3      Grading Method: Regular,  
Audit

*Supervised study of a selected problem in the field of criminal justice.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Lauren Porter     | Seats (Total: 20) |
|      | M 4:00pm - 6:45pm | LEF 2165E         |

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**CCJS710      Advanced Statistics Methods - Limited Dependent Variables**

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: Must have completed an approved doctoral level statistics course. Formerly: CRIM710.*

*Application of advanced data analysis strategies to criminological and criminal justice problems, with specific focus on limited dependent variables.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Laura Dugan        | Seats (Total: 15) |
|      | Th 4:00pm - 6:45pm | SQH 1101          |

## CCJS720 Criminal Justice System Planning: Policy Analysis for Crime Control

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Must have completed 1 course in research methodology; and 1 course in CCJS.  
Formerly: CJUS720.*

*System theory and method; examination of planning methods and models based primarily on a systems approach to the operations of the criminal justice system.*

|      |   |                   |
|------|---|-------------------|
| 0101 | James Lynch                                     | Seats (Total: 20) |
|      | W 4:00pm - 6:45pm                               | LEF 2165E         |
| CH01 | David Maimon                                    | Seats (Total: 30) |
|      | <b>Meets October 2, 2017 - October 13, 2017</b> |                   |
|      | Contact instructor or department for details.   |                   |

**CCJS799      Master's Thesis Research**

(Perm req)

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

## CCJS898 Pre-Candidacy Research

(Perm req)

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

## CCJS899 Doctoral Dissertation Research

(Perm req)

Credits: 6                      Grading Method: Regular

*Doctoral dissertation research in criminal justice and criminology.*

**Contact department for information to register for this course.**

# CHBE Chemical and Biomolecular Engineering

Fall 2017

## CHBE250 Computer Methods in Chemical Engineering

(Perm req)

Credits: 3 Grading Method: Regular

*Prerequisite: CHBE101; and must have completed or be concurrently enrolled in MATH241.*

*Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department.*

*Credit only granted for: CHBE250 or ENCH250. Formerly: ENCH250.*

*Algorithm development and application of software to the analysis of chemical engineering problems. File management and editing, graphics and numerical methods. Use of spreadsheets, statistics/math software and process simulators for the design of chemical process equipment.*

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0101 | Nam Sun Wang          | Seats (Total: 95) |            |
|      | TuTh 12:30pm - 1:45pm | CHE 2108          |            |
|      | M 11:00am - 11:50am   | CHE 2108          | Discussion |

## CHBE301 Chemical and Biomolecular Engineering Thermodynamics I

(Perm req)

Credits: 3 Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHBE101; and must have completed or be concurrently enrolled in CHBE250 and MATH241. Restriction: Must be in Engineering: Chemical program; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: ENCH300 or CHBE301. Formerly: ENCH300.*

*Principles of thermodynamics and their application to engineering problems. First and second laws of thermodynamics, properties of gases, liquids and solids, phase equilibrium, flow and non-flow systems, energy conversion, production of work from heat, thermodynamic analysis of processes, equilibrium stage operations and the thermodynamics of chemically reacting systems.*

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Jeffery Klauda       | Seats (Total: 95) |            |
|      | TuTh 2:00pm - 3:15pm | CHE 2110          |            |
|      | W 11:00am - 11:50am  | CHE 2108          | Discussion |

## CHBE302 Chemical and Biomolecular Engineering Thermodynamics II

Credits: 3 Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHBE301. Corequisite: CHBE250. Restriction: Must be in a major within ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE302 or ENCH400. Formerly: ENCH400.*



*Contemporary trends in chemical engineering thermodynamics that bridge the gap between fundamentals and applications. Thermodynamic analysis of non-ideal and structured systems; such as complex fluids, strongly fluctuating and nanoscale systems, dissipative systems, biosystems, and systems under extreme conditions.*

|      |                     |                   |            |
|------|---------------------|-------------------|------------|
| 0101 | Taylor Woehl        | Seats (Total: 40) |            |
|      | MWF 4:00pm - 4:50pm | CHE 2110          |            |
|      | F 11:00am - 11:50am | CHE 2108          | Discussion |

### **CHBE333 Chemical Engineering Seminar**

(Perm req)

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Junior standing; and must be in a major within ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE333 or ENCH333. Formerly: ENCH333.*

*To develop oral communication skills through a series of class presentations of current chemical engineering topics.*

|      |                     |                   |  |
|------|---------------------|-------------------|--|
| 0101 | Deborah Goldberg    | Seats (Total: 15) |  |
|      | W 12:00pm - 12:50pm | CHE 2116          |  |
| 0102 | Deborah Goldberg    | Seats (Total: 15) |  |
|      | W 10:00am - 10:50am | CHE 2145          |  |
| 0103 | Deborah Goldberg    | Seats (Total: 15) |  |
|      | W 11:00am - 11:50am | CHE 2113          |  |

### **CHBE410 Statistics and Design of Experiments**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in CHBE250, MATH241, and MATH246. Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE410 or ENCH476. Formerly: ENCH476.*

*An introduction to probability, statistics, and design of experiments for chemical engineers.*

|      |                     |                    |            |
|------|---------------------|--------------------|------------|
| 0101 | Akua Asa-Awuku      | Seats (Total: 100) |            |
|      | MWF 3:00pm - 3:50pm | CHE 2108           |            |
|      | M 1:00pm - 1:50pm   | CHE 2108           | Discussion |

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**CHBE422 Chemical and Biomolecular Engineering Transport Phenomena I**

(Perm req)

Credits: 3 Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in CHBE101, CHBE250, MATH241, and MATH246. Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE422 or ENCH422. Formerly: ENCH422.*

*Principals of fluid dynamics as applied to model development and proces design. Mass, momentum and energy conservation. Statics and surface tension. Equation of Continuity and Navier-Stokes Equation with application to laminar flow. Dimensional analysis. Macroscopic balances, Bernoulli Equation and friction factors with application to turbulent flow.*

|      |                            |                   |            |
|------|----------------------------|-------------------|------------|
| 0101 | Panagiotis Dimitrakopoulos | Seats (Total: 50) |            |
|      | TuTh 3:30pm - 4:45pm       | BPS 1243          |            |
|      | F 1:00pm - 1:50pm          | BPS 1243          | Discussion |
| 0102 | Deborah Goldberg           | Seats (Total: 50) |            |
|      | TuTh 2:00pm - 3:15pm       | CHE 2108          |            |
|      | F 1:00pm - 1:50pm          | JMP 3201          | Discussion |

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**CHBE437 Chemical and Biomolecular Engineering Laboratory**

(Perm req)

Credits: 3 Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHBE424, CHBE426, and CHBE440. Restriction: Must be in a major within ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE437 or ENCH437. Formerly: ENCH437.*

*Application of chemical engineering process and unit operation principals in small-scale semi-commercial equipment. Data from experimental observations are used to evaluate performance and efficiency of operations. Emphasis on correct presentation of results inreport form.*

|      |                               |                   |            |
|------|-------------------------------|-------------------|------------|
| 0101 | Audaldo Ponce, Chunsheng Wang | Seats (Total: 24) |            |
|      | M 1:00pm - 5:00pm             | CHE 1145          | Lab        |
|      | M 10:00am - 10:50am           | CHE 2136          | Discussion |
| 0201 | Chunsheng Wang, Audaldo Ponce | Seats (Total: 24) |            |
|      | Tu 11:00am - 3:00pm           | CHE 1145          | Lab        |
|      | Tu 10:00am - 10:50am          | CHE 2113A         | Discussion |

|      |                               |                   |            |
|------|-------------------------------|-------------------|------------|
| 0301 | Audaldo Ponce, Chunsheng Wang | Seats (Total: 24) |            |
|      | Th 11:00am - 3:00pm           | CHE 1145          | Lab        |
|      | Th 10:00am - 10:50am          | CHE 2113A         | Discussion |
| 0401 | Audaldo Ponce, Chunsheng Wang | Seats (Total: 24) |            |
|      | F 1:00pm - 5:00pm             | CHE 1145          | Lab        |
|      | F 10:00am - 10:50am           | CHE 2108          | Discussion |

## CHBE440

### Chemical Kinetics and Reactor Design

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in CHBE301, MATH241, and MATH246. Restriction: Must be in Engineering: Chemical program; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE440 or ENCH440. Formerly: ENCH440.*

*Fundamentals of chemical reaction kinetics and their application to the design and operation of chemical reactors. Reaction rate theory, homogeneous reactions and catalysis electrochemical reactions. Catalytic reactor design.*

|      |                     |                    |            |
|------|---------------------|--------------------|------------|
| 0101 | Srinivasa Raghavan  | Seats (Total: 120) |            |
|      | MWF 2:00pm - 2:50pm | CHE 2110           |            |
|      | W 1:00pm - 1:50pm   | CHE 2110           | Discussion |

## CHBE442

### Chemical and Biomolecular Systems Analysis

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHBE424 and CHBE426. Credit only granted for: CHBE442 or ENCH442. Formerly: ENCH442.*

*Dynamic response applied to process systems. Goals and modes of control Laplace transformations, analysis and synthesis of simple control systems, closed loop response, dynamic testing.*

|      |                      |                    |            |
|------|----------------------|--------------------|------------|
| 0101 | Kyu Yong Choi        | Seats (Total: 110) |            |
|      | MW 12:00pm - 12:50pm | CHE 2110           |            |
|      | F 12:00pm - 12:50pm  | JMP 3201           |            |
|      | W 4:00pm - 4:50pm    | BPS 1250           | Discussion |

## CHBE444

### Process Engineering Economics and Design I

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHBE424, CHBE426, and CHBE440. Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE444 or ENCH444. Formerly: ENCH444.*

*Principles of chemical engineering economics and process design. Equipment sizing and costing. Economic evaluation of projects. Flowsheet synthesis. Introduction to flowsheet simulators and concepts of flowsheet optimization. Synthesis of Heat Exchanger Networks and Distillation Sequences.*

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Ganesh Sriram        | Seats (Total: 60) |            |
|      | TuTh 3:30pm - 4:45pm | CHE 2110          |            |
|      | W 10:00am - 10:50am  | CHE 2108          | Discussion |
| 0102 | Ganesh Sriram        | Seats (Total: 60) |            |
|      | TuTh 3:30pm - 4:45pm | CHE 2110          |            |
|      | W 2:00pm - 2:50pm    | CHE 2108          | Discussion |

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**CHBE468****Research**

(Perm req)

Credits: 1-3

Grading Method: Regular

*Investigation of a research project under the direction of a faculty member. Comprehensive reports are required.*

**Contact department for information to register for this course.**

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**CHBE468P****Research; Therapeutic Development and Delivery**

Credits: 3

Grading Method: Regular

*Investigation of a research project under the direction of a faculty member. Comprehensive reports are required.*

|      |                       |                   |  |
|------|-----------------------|-------------------|--|
| 0101 | Steven Jay            | Seats (Total: 10) |  |
|      | TuTh 12:30pm - 1:45pm | ESJ 1309          |  |

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**CHBE486****Heterogeneous Catalysis for Energy Applications**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in CHBE302, CHBE424, and CHBE440; and permission of instructor. Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE486 or ENCH686.*

*Introduction to heterogeneous catalytic science and technology for energy conversion and hydrocarbon processing. Preparation and mechanistic characterization of catalyst systems, kinetics of catalyzed reactions, adsorption and diffusion influences in heterogeneous reactions. An overview of heterogeneous catalysis in various energy-related applications, including petroleum refining, chemicals from biomass, valorization of shale gas, and CO<sub>2</sub> utilization will be introduced.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Dongxia Liu        | Seats (Total: 37) |
|      | MW 5:00pm - 6:15pm | CHE 2110          |

## CHBE492 Multi-scale and Multiphase Flows

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHBE422; and minimum grade of C- in CHBE424. Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department.*

*Multiphase systems for the transport and processing of emulsions (immiscible liquids), slurries (solids in liquids) and gassed liquids exhibit a variety of phenomena that occur on different length and time scales. For instance, the pressure and/or power required to process an emulsion or solid suspension depend on flow behavior on the vessel scale while the size of emulsion drops and the solids distribution depend on phenomena that occur on the particle/drop scale. In this course we examine a variety of topics that can be brought to bear on the analysis of multi-scale and multiphase flows. Fundamentals will be supported by examples from the chemical, petrochemical, food, personal care pharmaceutical and biomedical process industries.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Richard Calabrese     | Seats (Total: 20) |
|      | TuTh 9:30am - 10:45am | CHE 2145          |

## CHBE497 Protein Engineering

Credits: 3      Grading Method: Regular

*Prerequisite: BIOE120; and CHBE302; and CHBE440; and permission of instructor.*

*This course will cover the fundamentals of protein engineering and its applications in medicine, chemical processes, and energy. Topics will include the structure and function of biological molecules, rational design and directed evolution, construction of protein and peptide libraries, protein screening platforms, methods for characterizing structure and function of biological molecules. Scientific literature will be used to highlight key discoveries and current work in protein engineering.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Amy Karlsson          | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | EGR 1104          |

The College of Computer, Mathematical and Natural Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course. Registration in course sections which begin with "SEF\*" are restricted to students admitted into the Science in the Evening Program, administered through the Office of Extended Studies. For complete information, visit: OES website, email: oes@umd.edu, or call 301-405-7762.

## CHEM131 Chemistry I - Fundamentals of General Chemistry

Credits: 3

Grading Method: Regular

General Education: DSNL (if taken with CHEM132)

*Prerequisite:* Must have math eligibility of MATH120, MATH130, or MATH140. *Corequisite:* CHEM132. *Recommended:* For Science majors. Credit only granted for: CHEM103, CHEM131, CHEM135, CHEM153 or CHEM146. Formerly: CHEM103.

An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM131 is the first course in a four-semester sequence for students majoring in the sciences, other than Chemistry and Biochemistry majors.

Students without the math pre-requisite will be administratively dropped.

|      |   |   |            |
|------|---|---|------------|
| 1221 | Lee Friedman<br>MWF 10:00am - 10:50am<br>Tu 8:00am - 8:50am   | Seats (Total: 45)<br>CHM 1407<br>CHM 0115 | Discussion |
| 1222 | Lee Friedman<br>MWF 10:00am - 10:50am<br>Tu 9:30am - 10:20am  | Seats (Total: 45)<br>CHM 1407<br>CHM 0115 | Discussion |
| 1224 | Lee Friedman<br>MWF 10:00am - 10:50am<br>Tu 11:00am - 11:50am | Seats (Total: 45)<br>CHM 1407<br>CHM 0115 | Discussion |
| 1245 | Lee Friedman<br>MWF 10:00am - 10:50am<br>Th 12:30pm - 1:20pm  | Seats (Total: 45)<br>CHM 1407<br>CHM 2201 | Discussion |
| 1246 | Lee Friedman<br>MWF 10:00am - 10:50am<br>Th 2:00pm - 2:50pm   | Seats (Total: 25)<br>CHM 1407<br>CHM 2201 | Discussion |
| 1247 | Lee Friedman<br>MWF 10:00am - 10:50am<br>Th 3:30pm - 4:20pm   | Seats (Total: 45)<br>CHM 1407<br>CHM 2201 | Discussion |

|      |   |   |            |
|------|---|---|------------|
| 1325 | John Ondov<br>MWF 11:00am - 11:50am<br>Tu 12:30pm - 1:20pm  | Seats (Total: 43)<br>HJP 0226<br>CHM 0115 | Discussion |
| 1327 | John Ondov<br>MWF 11:00am - 11:50am<br>Tu 2:00pm - 2:50pm   | Seats (Total: 23)<br>HJP 0226<br>CHM 0115 | Discussion |
| 1328 | John Ondov<br>MWF 11:00am - 11:50am<br>Tu 3:30pm - 4:20pm   | Seats (Total: 43)<br>HJP 0226<br>CHM 0115 | Discussion |
| 1345 | John Ondov<br>MWF 11:00am - 11:50am<br>Th 12:30pm - 1:20pm  | Seats (Total: 43)<br>HJP 0226<br>CHM 0115 | Discussion |
| 1347 | John Ondov<br>MWF 11:00am - 11:50am<br>Th 2:00pm - 2:50pm   | Seats (Total: 43)<br>HJP 0226<br>CHM 0115 | Discussion |
| 1348 | John Ondov<br>MWF 11:00am - 11:50am<br>Th 3:30pm - 4:20pm   | Seats (Total: 43)<br>HJP 0226<br>CHM 0115 | Discussion |
| 1425 | Amanda Schech<br>MWF 1:00pm - 1:50pm<br>Tu 12:30pm - 1:20pm | Seats (Total: 34)<br>HJP 0226<br>CHM 0122 | Discussion |
| 1426 | Amanda Schech<br>MWF 1:00pm - 1:50pm<br>Tu 2:00pm - 2:50pm  | Seats (Total: 34)<br>HJP 0226<br>CHM 0122 | Discussion |
| 1427 | Amanda Schech<br>MWF 1:00pm - 1:50pm<br>Tu 3:30pm - 4:20pm  | Seats (Total: 34)<br>HJP 0226<br>CHM 0122 | Discussion |
| 1441 | Amanda Schech<br>MWF 1:00pm - 1:50pm<br>Th 8:00am - 8:50am  | Seats (Total: 34)<br>HJP 0226<br>CHM 1109 | Discussion |

|      |   |   |            |
|------|---|---|------------|
| 1443 | Amanda Schech<br>MWF 1:00pm - 1:50pm<br>Th 11:00am - 11:50am  | Seats (Total: 34)<br>HJP 0226<br>CHM 1109 | Discussion |
| 1525 | Garegin Papoian<br>MWF 1:00pm - 1:50pm<br>Tu 12:30pm - 1:20pm   | Seats (Total: 45)<br>CHM 1407<br>CHM 2201 | Discussion |
| 1527 | Garegin Papoian<br>MWF 1:00pm - 1:50pm<br>Tu 2:00pm - 2:50pm  | Seats (Total: 45)<br>CHM 1407<br>CHM 2201 | Discussion |
| 1528 | Garegin Papoian<br>MWF 1:00pm - 1:50pm<br>Tu 3:30pm - 4:20pm  | Seats (Total: 25)<br>CHM 1407<br>CHM 2201 | Discussion |
| 1541 | Garegin Papoian<br>MWF 1:00pm - 1:50pm<br>Th 8:00am - 8:50am  | Seats (Total: 45)<br>CHM 1407<br>CHM 0115 | Discussion |
| 1542 | Garegin Papoian<br>MWF 1:00pm - 1:50pm<br>Th 9:30am - 10:20am   | Seats (Total: 45)<br>CHM 1407<br>CHM 0115 | Discussion |
| 1543 | Garegin Papoian<br>MWF 1:00pm - 1:50pm<br>Th 11:00am - 11:50am  | Seats (Total: 45)<br>CHM 1407<br>CHM 0115 | Discussion |
| FC01 | Earle Stone<br>TuTh 4:30pm - 5:45pm<br>F 11:00am - 11:50am<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 44)<br>CHM 1402<br>CHM 2201 | Discussion |
| FC02 | Earle Stone<br>TuTh 4:30pm - 5:45pm<br>F 12:00pm - 12:50pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 44)<br>CHM 1402<br>CHM 2201 | Discussion |



|  |                      |                   |            |
|--|----------------------|-------------------|------------|
| FC03   | Earle Stone          | Seats (Total: 44) |            |
|  | TuTh 4:30pm - 5:45pm | CHM 1402          |            |
|  | F 3:00pm - 3:50pm    | CHM 1224          | Discussion |
| <i>Restricted to students in Freshmen Connection.</i>  |                      |                   |            |
| SEF1   | William Hollinsed    | Seats (Total: 28) |            |
|  | M 6:30pm - 9:30pm    | PLS 1111          |            |
|  | W 6:30pm - 7:20pm    | CHM 2201          | Discussion |
| <i>Restricted to students in the SIE Program. <a href="#">Click here for more information.</a></i> |                      |                   |            |

## CHEM131S Chemistry I - Fundamentals of General Chemistry

Credits: 3

Grading Method: Regular

General Education: DSNL (if taken with CHEM132)

*Prerequisite: Must have math eligibility of MATH120, MATH130, or MATH140. Corequisite: CHEM132. Recommended: For Science majors. Credit only granted for: CHEM103, CHEM131, CHEM135, CHEM153 or CHEM146. Formerly: CHEM103.*

*An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM131 is the first course in a four-semester sequence for students majoring in the sciences, other than Chemistry and Biochemistry majors.*

Students without the math pre-requisite will be administratively dropped. Restricted to College Park Scholars - Life Sciences.

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 1246 | Lee Friedman          | Seats (Total: 20) |            |
|      | MWF 10:00am - 10:50am | CHM 1407          |            |
|      | Th 2:00pm - 2:50pm    | CHM 2201          | Discussion |
| 1327 | John Ondov            | Seats (Total: 20) |            |
|      | MWF 11:00am - 11:50am | HJP 0226          |            |
|      | Tu 2:00pm - 2:50pm    | CHM 0115          | Discussion |
| 1442 | Amanda Schech         | Seats (Total: 31) |            |
|      | MWF 1:00pm - 1:50pm   | HJP 0226          |            |
|      | Th 9:30am - 10:20am   | CHM 1109          | Discussion |
| 1528 | Garegin Papoian       | Seats (Total: 20) |            |
|      | MWF 1:00pm - 1:50pm   | CHM 1407          |            |
|      | Tu 3:30pm - 4:20pm    | CHM 2201          | Discussion |

**CHEM132****General Chemistry I Laboratory**

Credits: 1      Grading Method: Regular

*Corequisite: CHEM131. Credit only granted for: CHEM103, CHEM132, CHEM136, CHEM143, CHEM147 or CHEM177. Formerly: CHEM103.*

*Introduction to the quantification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131.*

Laboratory sessions will begin after the first lecture. Students must pay a \$40.00 laboratory materials fee.

|      |   |                               |     |
|------|---|-------------------------------|-----|
| 1111 | Christiana Addei-Maanu<br>M 9:00am - 11:50am  | Seats (Total: 24)<br>ESJ 1312 | Lab |
| 1122 | Christiana Addei-Maanu<br>M 12:00pm - 2:50pm  | Seats (Total: 24)<br>ESJ 1316 | Lab |
| 1131 | Christiana Addei-Maanu<br>M 3:00pm - 5:50pm   | Seats (Total: 24)<br>ESJ 1312 | Lab |
| 1132 | Christiana Addei-Maanu<br>M 3:00pm - 5:50pm   | Seats (Total: 24)<br>ESJ 1316 | Lab |
| 1211 | Christiana Addei-Maanu<br>Tu 9:30am - 12:20pm | Seats (Total: 24)<br>ESJ 1312 | Lab |
| 1221 | Christiana Addei-Maanu<br>Tu 12:30pm - 3:20pm | Seats (Total: 24)<br>ESJ 1312 | Lab |
| 1222 | Christiana Addei-Maanu<br>Tu 12:30pm - 3:20pm | Seats (Total: 24)<br>ESJ 1316 | Lab |
| 1223 | Christiana Addei-Maanu<br>Tu 12:30pm - 3:20pm | Seats (Total: 24)<br>ESJ 1324 | Lab |
| 1232 | Christiana Addei-Maanu<br>Tu 3:30pm - 6:20pm  | Seats (Total: 24)<br>ESJ 1316 | Lab |
| 1311 | Christiana Addei-Maanu<br>W 9:00am - 11:50am  | Seats (Total: 24)<br>ESJ 1312 | Lab |

|      |   |                               |     |
|------|---|-------------------------------|-----|
| 1321 | Christiana Addei-Maanu<br>W 12:00pm - 2:50pm  | Seats (Total: 24)<br>ESJ 1312 | Lab |
| 1331 | Christiana Addei-Maanu<br>W 3:00pm - 5:50pm   | Seats (Total: 24)<br>ESJ 1312 | Lab |
| 1332 | Christiana Addei-Maanu<br>W 3:00pm - 5:50pm   | Seats (Total: 24)<br>ESJ 1316 | Lab |
| 1333 | Christiana Addei-Maanu<br>W 3:00pm - 5:50pm   | Seats (Total: 24)<br>ESJ 1324 | Lab |
| 1334 | Christiana Addei-Maanu<br>W 3:00pm - 5:50pm   | Seats (Total: 24)<br>ESJ 1330 | Lab |
| 1411 | Christiana Addei-Maanu<br>Th 9:30am - 12:20pm | Seats (Total: 24)<br>ESJ 1312 | Lab |
| 1412 | Christiana Addei-Maanu<br>Th 9:30am - 12:20pm | Seats (Total: 24)<br>ESJ 1316 | Lab |
| 1413 | Christiana Addei-Maanu<br>Th 9:30am - 12:20pm | Seats (Total: 24)<br>ESJ 1324 | Lab |
| 1422 | Christiana Addei-Maanu<br>Th 12:30pm - 3:20pm | Seats (Total: 24)<br>ESJ 1316 | Lab |
| 1424 | Christiana Addei-Maanu<br>Th 12:30pm - 3:20pm | Seats (Total: 24)<br>ESJ 1330 | Lab |
| 1432 | Christiana Addei-Maanu<br>Th 3:30pm - 6:20pm  | Seats (Total: 24)<br>ESJ 1316 | Lab |
| 1434 | Christiana Addei-Maanu<br>Th 3:30pm - 6:20pm  | Seats (Total: 24)<br>ESJ 1330 | Lab |
| 1511 | Christiana Addei-Maanu<br>F 9:00am - 11:50am  | Seats (Total: 24)<br>ESJ 1312 | Lab |
| 1531 | Christiana Addei-Maanu<br>F 3:00pm - 5:50pm   | Seats (Total: 24)<br>ESJ 1312 | Lab |

|      |  |                               |     |
|------|--|-------------------------------|-----|
| 1532 | Christiana Addei-Maanu<br>F 3:00pm - 5:50pm  | Seats (Total: 24)<br>ESJ 1316 | Lab |
| 1533 | Christiana Addei-Maanu<br>F 3:00pm - 5:50pm  | Seats (Total: 24)<br>ESJ 1324 | Lab |
| FC11 | Christiana Addei-Maanu<br>F 9:00am - 11:50am<br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 24)<br>ESJ 1316 | Lab |
| FC12 | Christiana Addei-Maanu<br>F 9:00am - 11:50am<br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 24)<br>ESJ 1324 | Lab |
| FC13 | Christiana Addei-Maanu<br>F 9:00am - 11:50am<br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 24)<br>ESJ 1330 | Lab |
| FC21 | Christiana Addei-Maanu<br>F 12:00pm - 2:50pm<br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 24)<br>ESJ 1316 | Lab |
| FC22 | Christiana Addei-Maanu<br>F 12:00pm - 2:50pm<br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 24)<br>ESJ 1324 | Lab |
| FC23 | Christiana Addei-Maanu<br>F 12:00pm - 2:50pm<br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 24)<br>ESJ 1330 | Lab |
| SEF1 | Christiana Addei-Maanu<br>W 7:30pm - 10:30pm<br><i>Restricted to students in the SIE Program. <a href="#">Click here for more information.</a></i> | Seats (Total: 24)<br>ESJ 1330 | Lab |

## CHEM132C General Chemistry I Laboratory

Credits: 1      Grading Method: Regular,  
Pass-Fail

*Corequisite: CHEM131. Credit only granted for: CHEM103, CHEM132, CHEM136, CHEM143, CHEM147 or CHEM177. Formerly: CHEM103.*

*Introduction to the quantification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131.*

Restricted to new freshmen and new transfer students in Biological Science, Chemistry or Biochemistry. Students must pay a \$40.00 laboratory materials fee.

|      |  |                               |     |
|------|--|-------------------------------|-----|
| 1121 | Christiana Addei-Maanu<br>M 12:00pm - 2:50pm   | Seats (Total: 24)<br>ESJ 1312 | Lab |
| 1123 | Christiana Addei-Maanu<br>M 12:00pm - 2:50pm   | Seats (Total: 24)<br>ESJ 1324 | Lab |
| 1133 | Christiana Addei-Maanu<br>M 3:00pm - 5:50pm  | Seats (Total: 24)<br>ESJ 1324 | Lab |
| 1213 | Christiana Addei-Maanu<br>Tu 9:30am - 12:20pm  | Seats (Total: 24)<br>ESJ 1324 | Lab |
| 1231 | Christiana Addei-Maanu<br>Tu 3:30pm - 6:20pm   | Seats (Total: 24)<br>ESJ 1312 | Lab |
| 1323 | Christiana Addei-Maanu<br>W 12:00pm - 2:50pm   | Seats (Total: 24)<br>ESJ 1324 | Lab |
| 1421 | Christiana Addei-Maanu<br>Th 12:30pm - 3:20pm  | Seats (Total: 24)<br>ESJ 1312 | Lab |
| 1423 | Christiana Addei-Maanu<br>Th 12:30pm - 3:20pm  | Seats (Total: 24)<br>ESJ 1324 | Lab |
| 1433 | Christiana Addei-Maanu<br>Th 3:30pm - 6:20pm<br><br><i>Restricted to BioFire students.</i> | Seats (Total: 24)<br>ESJ 1324 | Lab |
| 1521 | Christiana Addei-Maanu<br>F 12:00pm - 2:50pm<br><br><i>Restricted to BioFire students.</i> | Seats (Total: 24)<br>ESJ 1312 | Lab |

*Corequisite: CHEM131. Credit only granted for: CHEM103, CHEM132, CHEM136, CHEM143, CHEM147 or CHEM177. Formerly: CHEM103.*

*Introduction to the quantification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131.*

Laboratory sessions will begin after the first lecture. Students must pay a \$40.00 laboratory materials fee. Restricted to College Park Scholars - Life Sciences.

|      |                        |                   |     |
|------|------------------------|-------------------|-----|
| 1212 | Christiana Addei-Maanu | Seats (Total: 24) |     |
|      | Tu 9:30am - 12:20pm    | ESJ 1316          | Lab |
| 1233 | Christiana Addei-Maanu | Seats (Total: 24) |     |
|      | Tu 3:30pm - 6:20pm     | ESJ 1324          | Lab |
| 1322 | Christiana Addei-Maanu | Seats (Total: 24) |     |
|      | W 12:00pm - 2:50pm     | ESJ 1316          | Lab |
| 1431 | Christiana Addei-Maanu | Seats (Total: 24) |     |
|      | Th 3:30pm - 6:20pm     | ESJ 1312          | Lab |

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#### **CHEM134**

##### **Chemical Principles for Engineering**

Credits: 1                      Grading Method: Regular

*Prerequisite: Minimum grade of C- in CHEM131; or minimum grade of C- in CHEM146. Credit only granted for: CHEM 134 or CHEM 135.*

*Basic chemistry for engineering students. Introduction to organic structures and polymers, gas laws, liquids, solids, phase changes, chemical kinetics and electrochemistry.*

|      |                    |                    |  |
|------|--------------------|--------------------|--|
| 0101 | Earle Stone        | Seats (Total: 160) |  |
|      | Th 8:00am - 8:50am | ESJ 2208           |  |

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#### **CHEM135**

##### **General Chemistry for Engineers**

Credits: 3                      Grading Method: Regular

*Prerequisite: Must have math eligibility of MATH120, MATH130, or MATH140. Credit only granted for: CHEM103, CHEM113, CHEM131, CHEM135, or CHEM146.*

*The nature and composition of matter, solutions, chemical reactions, equilibria, and electrochemistry, with applications to various fields of engineering.*

|      |   |   |            |
|------|---|---|------------|
| 3125 | Alice Mignerey<br>TuTh 11:00am - 12:15pm<br>M 12:00pm - 12:50pm | Seats (Total: 40)<br>CHM 1407<br>CHM 0115 | Discussion |
| 3126 | Alice Mignerey<br>TuTh 11:00am - 12:15pm<br>M 1:00pm - 1:50pm   | Seats (Total: 40)<br>CHM 1407<br>CHM 0115 | Discussion |
| 3127 | Alice Mignerey<br>TuTh 11:00am - 12:15pm<br>M 2:00pm - 2:50pm   | Seats (Total: 40)<br>CHM 1407<br>CHM 0115 | Discussion |
| 3145 | Alice Mignerey<br>TuTh 11:00am - 12:15pm<br>W 12:00pm - 12:50pm | Seats (Total: 40)<br>CHM 1407<br>CHM 0115 | Discussion |
| 3147 | Alice Mignerey<br>TuTh 11:00am - 12:15pm<br>W 1:00pm - 1:50pm   | Seats (Total: 40)<br>CHM 1407<br>CHM 0115 | Discussion |
| 3148 | Alice Mignerey<br>TuTh 11:00am - 12:15pm<br>W 2:00pm - 2:50pm   | Seats (Total: 40)<br>CHM 1407<br>CHM 0115 | Discussion |
| 3225 | John Ondov<br>MWF 2:00pm - 2:50pm<br>Tu 12:30pm - 1:20pm        | Seats (Total: 40)<br>BRB 1101<br>CHM 0128 | Discussion |
| 3226 | John Ondov<br>MWF 2:00pm - 2:50pm<br>Tu 2:00pm - 2:50pm         | Seats (Total: 40)<br>BRB 1101<br>CHM 0128 | Discussion |
| 3227 | John Ondov<br>MWF 2:00pm - 2:50pm<br>Tu 3:30pm - 4:20pm         | Seats (Total: 40)<br>BRB 1101<br>CHM 0128 | Discussion |
| 3245 | John Ondov<br>MWF 2:00pm - 2:50pm<br>Th 12:30pm - 1:20pm        | Seats (Total: 40)<br>BRB 1101<br>CHM 0128 | Discussion |

|      |  |   |            |
|------|--|---|------------|
| 3247 | John Ondov<br>MWF 2:00pm - 2:50pm<br>Th 2:00pm - 2:50pm  | Seats (Total: 40)<br>BRB 1101<br>CHM 0128 | Discussion |
| 3248 | John Ondov<br>MWF 2:00pm - 2:50pm<br>Th 3:30pm - 4:20pm  | Seats (Total: 40)<br>BRB 1101<br>CHM 0128 | Discussion |
| 3325 | Elizabeth Griffith<br>MWF 3:00pm - 3:50pm<br>Tu 12:30pm - 1:20pm   | Seats (Total: 40)<br>BRB 1101<br>CHM 1109 | Discussion |
| 3326 | Elizabeth Griffith<br>MWF 3:00pm - 3:50pm<br>Tu 2:00pm - 2:50pm  | Seats (Total: 40)<br>BRB 1101<br>CHM 1109 | Discussion |
| 3327 | Elizabeth Griffith<br>MWF 3:00pm - 3:50pm<br>Tu 3:30pm - 4:20pm  | Seats (Total: 40)<br>BRB 1101<br>CHM 1109 | Discussion |
| 3345 | Elizabeth Griffith<br>MWF 3:00pm - 3:50pm<br>Th 12:30pm - 1:20pm   | Seats (Total: 40)<br>BRB 1101<br>CHM 1109 | Discussion |
| 3347 | Elizabeth Griffith<br>MWF 3:00pm - 3:50pm<br>Th 2:00pm - 2:50pm  | Seats (Total: 40)<br>BRB 1101<br>CHM 1109 | Discussion |
| 3348 | Elizabeth Griffith<br>MWF 3:00pm - 3:50pm<br>Th 3:30pm - 4:20pm  | Seats (Total: 40)<br>BRB 1101<br>CHM 1109 | Discussion |
| FC01 | Bonnie Dixon<br>TuTh 4:30pm - 5:45pm<br>F 11:00am - 11:50am<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 45)<br>CHM 1407<br>CHM 0115 | Discussion |
| FC02 | Bonnie Dixon<br>TuTh 4:30pm - 5:45pm<br>F 12:00pm - 12:50pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 45)<br>CHM 1407<br>CHM 0115 | Discussion |



|   |                      |                   |            |
|---|----------------------|-------------------|------------|
| FC03  | Bonnie Dixon         | Seats (Total: 45) |            |
|   | TuTh 4:30pm - 5:45pm | CHM 1407          |            |
|   | F 1:00pm - 1:50pm    | CHM 0115          | Discussion |
| <i>Restricted to students in Freshmen Connection.</i> |                      |                   |            |

## CHEM136 General Chemistry Laboratory for Engineers

Credits: 1 Grading Method: Regular

*Prerequisite: Must have completed or be concurrently enrolled in CHEM135. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering.*

*A laboratory course for engineering majors intending to take CHEM231 and CHEM232.*

There is a \$40.00 lab fee for this course.

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 1125 | Natalia White       | Seats (Total: 24) |     |
|      | M 12:00pm - 2:50pm  | ESJ 1330          | Lab |
| 1135 | Natalia White       | Seats (Total: 24) |     |
|      | M 3:00pm - 5:50pm   | ESJ 1330          | Lab |
| 1215 | Natalia White       | Seats (Total: 24) |     |
|      | Tu 9:30am - 12:20pm | ESJ 1330          | Lab |
| 1225 | Natalia White       | Seats (Total: 24) |     |
|      | Tu 12:30pm - 3:20pm | ESJ 1330          | Lab |

## CHEM146 Principles of General Chemistry

Credits: 3 Grading Method: Regular

*Prerequisite: Must have math eligibility of MATH140 or higher. Corequisite: CHEM147. Restriction: Must be in one of the following programs (Chemistry; Biochemistry). Credit only granted for: CHEM103, CHEM131, CHEM135, CHEM143, or CHEM146. Formerly: CHEM143.*

*An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM146 is the first course in a four-semester sequence for Chemistry and Biochemistry majors.*

|      |                     |                   |            |
|------|---------------------|-------------------|------------|
| 0032 | Efrain Rodriguez    | Seats (Total: 26) |            |
|      | MWF 9:00am - 9:50am | CHM 0115          |            |
|      | Tu 9:30am - 10:20am | CHM 1228          | Discussion |

|      |                     |                   |            |
|------|---------------------|-------------------|------------|
| 0033 | Efrain Rodriguez    | Seats (Total: 26) |            |
|      | MWF 9:00am - 9:50am | CHM 0115          |            |
|      | Th 9:30am - 10:20am | CHM 1228          | Discussion |

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## CHEM177 Introduction to Laboratory Practices and Research in the Chemical Sciences

Credits: 2                      Grading Method: Regular,  
Pass-Fail, Audit

*Corequisite: CHEM146, CHEM131, or CHEM135. Restriction: Must be in a major within CMNS-Chemistry & Biochemistry department; or permission of CMNS-Chemistry & Biochemistry department. Credit only granted for: CHEM132, CHEM136, CHEM147, or CHEM177.*

*First semester laboratory course required for CHEM and BCHM majors. Introduction to laboratory techniques, including safety practices, scientific ethics, and presentation of current research topics.*

Students must pay a \$40.00 laboratory materials fee.

|      |                    |                   |     |
|------|--------------------|-------------------|-----|
| 1131 | Elizabeth Griffith | Seats (Total: 18) |     |
|      | W 2:00pm - 2:50pm  | CHM 1402          |     |
|      | M 3:00pm - 5:50pm  | ESJ 0312          | Lab |
| 1231 | Elizabeth Griffith | Seats (Total: 18) |     |
|      | W 2:00pm - 2:50pm  | CHM 1402          |     |
|      | Tu 3:30pm - 6:20pm | ESJ 0312          | Lab |
| 1331 | Elizabeth Griffith | Seats (Total: 18) |     |
|      | W 2:00pm - 2:50pm  | CHM 1402          |     |
|      | W 3:00pm - 5:50pm  | ESJ 0312          | Lab |
| 1431 | Elizabeth Griffith | Seats (Total: 18) |     |
|      | W 2:00pm - 2:50pm  | CHM 1402          |     |
|      | Th 3:30pm - 6:20pm | ESJ 0312          | Lab |
| 1521 | Elizabeth Griffith | Seats (Total: 18) |     |
|      | W 2:00pm - 2:50pm  | CHM 1402          |     |
|      | F 12:00pm - 2:50pm | ESJ 0312          | Lab |

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## CHEM231 Organic Chemistry I

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHEM131, CHEM135, or CHEM146; and (CHEM132, CHEM136, CHEM147, or CHEM177); and a grade of C- or better in the prerequisites is required of College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM232. Credit only granted for: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly: CHEM233.*

*The chemistry of carbon: aliphatic compounds, aromatic compounds, stereochemistry, arenes, halides, alcohols, esters and spectroscopy.*

|      |   |   |            |
|------|---|---|------------|
| 5125 | Lenea Stocker<br>MWF 9:00am - 9:50am<br>Tu 12:30pm - 1:20pm   | Seats (Total: 48)<br>CHM 1407<br>BPS 0283 | Discussion |
| 5127 | Lenea Stocker<br>MWF 9:00am - 9:50am<br>Tu 2:00pm - 2:50pm    | Seats (Total: 48)<br>CHM 1407<br>BPS 0283 | Discussion |
| 5128 | Lenea Stocker<br>MWF 9:00am - 9:50am<br>Tu 3:30pm - 4:20pm    | Seats (Total: 48)<br>CHM 1407<br>BPS 0283 | Discussion |
| 5145 | Lenea Stocker<br>MWF 9:00am - 9:50am<br>Th 12:30pm - 1:20pm   | Seats (Total: 48)<br>CHM 1407<br>BPS 0283 | Discussion |
| 5147 | Lenea Stocker<br>MWF 9:00am - 9:50am<br>Th 2:00pm - 2:50pm    | Seats (Total: 48)<br>CHM 1407<br>BPS 0283 | Discussion |
| 5148 | Lenea Stocker<br>MWF 9:00am - 9:50am<br>Th 3:30pm - 4:20pm    | Seats (Total: 48)<br>CHM 1407<br>BPS 0283 | Discussion |
| 5215 | Lenea Stocker<br>MWF 12:00pm - 12:50pm<br>Tu 12:30pm - 1:20pm | Seats (Total: 45)<br>CHM 1407<br>CHM 1228 | Discussion |
| 5216 | Lenea Stocker<br>MWF 12:00pm - 12:50pm<br>Tu 2:00pm - 2:50pm  | Seats (Total: 45)<br>CHM 1407<br>CHM 1228 | Discussion |

|      |   |   |            |
|------|---|---|------------|
| 5217 | Lenea Stocker<br>MWF 12:00pm - 12:50pm<br>Tu 3:30pm - 4:20pm  | Seats (Total: 45)<br>CHM 1407<br>CHM 1228 | Discussion |
| 5235 | Lenea Stocker<br>MWF 12:00pm - 12:50pm<br>Th 12:30pm - 1:20pm | Seats (Total: 45)<br>CHM 1407<br>CHM 1228 | Discussion |
| 5236 | Lenea Stocker<br>MWF 12:00pm - 12:50pm<br>Th 2:00pm - 2:50pm  | Seats (Total: 45)<br>CHM 1407<br>CHM 1228 | Discussion |
| 5237 | Lenea Stocker<br>MWF 12:00pm - 12:50pm<br>Th 3:30pm - 4:20pm  | Seats (Total: 45)<br>CHM 1407<br>CHM 1228 | Discussion |
| 5315 | Monique Koppel<br>TuTh 2:00pm - 3:15pm<br>M 12:00pm - 12:50pm | Seats (Total: 50)<br>CHM 1407<br>CHM 2201 | Discussion |
| 5316 | Monique Koppel<br>TuTh 2:00pm - 3:15pm<br>M 1:00pm - 1:50pm   | Seats (Total: 50)<br>CHM 1407<br>CHM 2201 | Discussion |
| 5317 | Monique Koppel<br>TuTh 2:00pm - 3:15pm<br>M 2:00pm - 2:50pm   | Seats (Total: 50)<br>CHM 1407<br>CHM 2201 | Discussion |
| 5335 | Monique Koppel<br>TuTh 2:00pm - 3:15pm<br>W 12:00pm - 12:50pm | Seats (Total: 50)<br>CHM 1407<br>CHM 2201 | Discussion |
| 5336 | Monique Koppel<br>TuTh 2:00pm - 3:15pm<br>W 1:00pm - 1:50pm   | Seats (Total: 50)<br>CHM 1407<br>CHM 2201 | Discussion |
| 5337 | Monique Koppel<br>TuTh 2:00pm - 3:15pm<br>W 2:00pm - 2:50pm   | Seats (Total: 50)<br>CHM 1407<br>CHM 2201 | Discussion |

|  |                   |                   |            |
|--|-------------------|-------------------|------------|
| SEF1   | Monique Koppel    | Seats (Total: 36) |            |
|  | M 6:30pm - 9:30pm | CHM 1402          |            |
|  | W 6:30pm - 7:20pm | CHM 1224          | Discussion |
| <i>Restricted to students in the SIE Program. Click here for more information.</i> |                   |                   |            |

## CHEM232

### Organic Chemistry Laboratory I

Credits: 1      Grading Method: Regular

*Prerequisite: CHEM131 and CHEM132; or (CHEM135 and CHEM136); or (CHEM146 and CHEM147). And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM231. Credit only granted for: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly: CHEM233.*

*Provides experience in developing some basic laboratory techniques, recrystallization, distillation, extraction, chromatography.*

Laboratory sessions will begin after the first lecture of CHEM 231. Students must pay a \$40.00 laboratory materials fee.

|      |                    |                   |     |
|------|--------------------|-------------------|-----|
| 5121 | Monique Koppel     | Seats (Total: 18) |     |
|      | M 12:00pm - 2:50pm | CHM 1342          | Lab |
| 5122 | Monique Koppel     | Seats (Total: 18) |     |
|      | M 12:00pm - 2:50pm | CHM 1346          | Lab |
| 5123 | Monique Koppel     | Seats (Total: 18) |     |
|      | M 12:00pm - 2:50pm | CHM 1356          | Lab |
| 5124 | Monique Koppel     | Seats (Total: 18) |     |
|      | M 12:00pm - 2:50pm | CHM 1360          | Lab |
| 5131 | Monique Koppel     | Seats (Total: 18) |     |
|      | M 3:00pm - 5:50pm  | CHM 1342          | Lab |
| 5132 | Monique Koppel     | Seats (Total: 18) |     |
|      | M 3:00pm - 5:50pm  | CHM 1346          | Lab |
| 5133 | Monique Koppel     | Seats (Total: 18) |     |
|      | M 3:00pm - 5:50pm  | CHM 1356          | Lab |
| 5134 | Monique Koppel     | Seats (Total: 18) |     |
|      | M 3:00pm - 5:50pm  | CHM 1360          | Lab |

|      |                                       |                               |     |
|------|---------------------------------------|-------------------------------|-----|
| 5141 | Monique Koppel<br>M 6:00pm - 8:50pm   | Seats (Total: 18)<br>CHM 1342 | Lab |
| 5142 | Monique Koppel<br>M 6:00pm - 8:50pm   | Seats (Total: 18)<br>CHM 1346 | Lab |
| 5143 | Monique Koppel<br>M 6:00pm - 8:50pm   | Seats (Total: 18)<br>CHM 1356 | Lab |
| 5144 | Monique Koppel<br>M 6:00pm - 8:50pm   | Seats (Total: 18)<br>CHM 1360 | Lab |
| 5221 | Monique Koppel<br>Tu 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1342 | Lab |
| 5222 | Monique Koppel<br>Tu 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1346 | Lab |
| 5223 | Monique Koppel<br>Tu 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1356 | Lab |
| 5224 | Monique Koppel<br>Tu 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1360 | Lab |
| 5231 | Monique Koppel<br>Tu 3:30pm - 6:20pm  | Seats (Total: 18)<br>CHM 1342 | Lab |
| 5232 | Monique Koppel<br>Tu 3:30pm - 6:20pm  | Seats (Total: 18)<br>CHM 1346 | Lab |
| 5233 | Monique Koppel<br>Tu 3:30pm - 6:20pm  | Seats (Total: 18)<br>CHM 1356 | Lab |
| 5234 | Monique Koppel<br>Tu 3:30pm - 6:20pm  | Seats (Total: 18)<br>CHM 1360 | Lab |
| 5241 | Monique Koppel<br>Tu 6:30pm - 9:20pm  | Seats (Total: 18)<br>CHM 1342 | Lab |
| 5242 | Monique Koppel<br>Tu 6:30pm - 9:20pm  | Seats (Total: 18)<br>CHM 1346 | Lab |

|      |                                       |                               |     |
|------|---------------------------------------|-------------------------------|-----|
| 5243 | Monique Koppel<br>Tu 6:30pm - 9:20pm  | Seats (Total: 18)<br>CHM 1356 | Lab |
| 5244 | Monique Koppel<br>Tu 6:30pm - 9:20pm  | Seats (Total: 18)<br>CHM 1360 | Lab |
| 5321 | Monique Koppel<br>W 12:00pm - 2:50pm  | Seats (Total: 18)<br>CHM 1342 | Lab |
| 5322 | Monique Koppel<br>W 12:00pm - 2:50pm  | Seats (Total: 18)<br>CHM 1346 | Lab |
| 5323 | Monique Koppel<br>W 12:00pm - 2:50pm  | Seats (Total: 18)<br>CHM 1356 | Lab |
| 5324 | Monique Koppel<br>W 12:00pm - 2:50pm  | Seats (Total: 18)<br>CHM 1360 | Lab |
| 5331 | Monique Koppel<br>W 3:00pm - 5:50pm   | Seats (Total: 18)<br>CHM 1342 | Lab |
| 5332 | Monique Koppel<br>W 3:00pm - 5:50pm   | Seats (Total: 18)<br>CHM 1346 | Lab |
| 5333 | Monique Koppel<br>W 3:00pm - 5:50pm   | Seats (Total: 18)<br>CHM 1356 | Lab |
| 5334 | Monique Koppel<br>W 3:00pm - 5:50pm   | Seats (Total: 18)<br>CHM 1360 | Lab |
| 5341 | Monique Koppel<br>W 6:00pm - 8:50pm   | Seats (Total: 18)<br>CHM 1342 | Lab |
| 5343 | Monique Koppel<br>W 6:00pm - 8:50pm   | Seats (Total: 18)<br>CHM 1356 | Lab |
| 5344 | Monique Koppel<br>W 6:00pm - 8:50pm   | Seats (Total: 18)<br>CHM 1360 | Lab |
| 5421 | Monique Koppel<br>Th 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1342 | Lab |

|  |                                       |                               |     |
|--|---------------------------------------|-------------------------------|-----|
| 5422   | Monique Koppel<br>Th 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1346 | Lab |
| 5423   | Monique Koppel<br>Th 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1356 | Lab |
| 5424   | Monique Koppel<br>Th 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1360 | Lab |
| 5431   | Monique Koppel<br>Th 3:30pm - 6:20pm  | Seats (Total: 18)<br>CHM 1342 | Lab |
| 5432   | Monique Koppel<br>Th 3:30pm - 6:20pm  | Seats (Total: 18)<br>CHM 1346 | Lab |
| 5433   | Monique Koppel<br>Th 3:30pm - 6:20pm  | Seats (Total: 18)<br>CHM 1356 | Lab |
| 5434   | Monique Koppel<br>Th 3:30pm - 6:20pm  | Seats (Total: 18)<br>CHM 1360 | Lab |
| SEF1   | Monique Koppel<br>W 7:30pm - 10:30pm  | Seats (Total: 18)<br>CHM 1346 | Lab |
| <i>Restricted to students in the SIE Program. Click here for more information.</i> |                                       |                               |     |

## CHEM241

### Organic Chemistry II

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHEM231 and CHEM232; or CHEM237. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Credit only granted for: CHEM241, CHEM243 or CHEM247. Formerly: CHEM243.*

*A continuation of CHEM231 with emphasis on molecular structure; substitution reactions; carbonium ions; aromaticity; synthetic processes; macromolecules.*

|      |   |   |            |
|------|---|---|------------|
| 6115 | Philip DeShong<br>TuTh 8:00am - 9:15am<br>M 12:00pm - 12:50pm | Seats (Total: 34)<br>CHM 1407<br>CHM 0127 | Discussion |
|------|---|---|------------|



|      |  |   |            |
|------|--|---|------------|
| 6116 | Philip DeShong<br>TuTh 8:00am - 9:15am<br>M 1:00pm - 1:50pm            | Seats (Total: 34)<br>CHM 1407<br>CHM 0127 | Discussion |
| 6117 | Philip DeShong<br>TuTh 8:00am - 9:15am<br>M 2:00pm - 2:50pm            | Seats (Total: 34)<br>CHM 1407<br>CHM 0127 | Discussion |
| 6135 | Philip DeShong<br>TuTh 8:00am - 9:15am<br>W 12:00pm - 12:50pm          | Seats (Total: 34)<br>CHM 1407<br>CHM 0127 | Discussion |
| 6136 | Philip DeShong<br>TuTh 8:00am - 9:15am<br>W 1:00pm - 1:50pm            | Seats (Total: 34)<br>CHM 1407<br>CHM 0127 | Discussion |
| 6137 | Philip DeShong<br>TuTh 8:00am - 9:15am<br>W 2:00pm - 2:50pm            | Seats (Total: 34)<br>CHM 1407<br>CHM 0127 | Discussion |
| 6212 | Michael Montague-Smith<br>TuTh 9:30am - 10:45am<br>M 9:00am - 9:50am   | Seats (Total: 36)<br>CHM 1407<br>CHM 1109 | Discussion |
| 6213 | Michael Montague-Smith<br>TuTh 9:30am - 10:45am<br>M 10:00am - 10:50am | Seats (Total: 36)<br>CHM 1407<br>CHM 1109 | Discussion |
| 6214 | Michael Montague-Smith<br>TuTh 9:30am - 10:45am<br>M 11:00am - 11:50am | Seats (Total: 36)<br>CHM 1407<br>CHM 1109 | Discussion |
| 6235 | Michael Montague-Smith<br>TuTh 9:30am - 10:45am<br>W 12:00pm - 12:50pm | Seats (Total: 36)<br>CHM 1407<br>CHM 1109 | Discussion |
| 6236 | Michael Montague-Smith<br>TuTh 9:30am - 10:45am<br>W 1:00pm - 1:50pm   | Seats (Total: 36)<br>CHM 1407<br>CHM 1109 | Discussion |

|      |  |   |            |
|------|--|---|------------|
| 6237 | Michael Montague-Smith<br>TuTh 9:30am - 10:45am<br>W 2:00pm - 2:50pm   | Seats (Total: 36)<br>CHM 1407<br>CHM 1109 | Discussion |
| 6415 | Bonnie Dixon<br>TuTh 12:30pm - 1:45pm<br>M 12:00pm - 12:50pm   | Seats (Total: 36)<br>CHM 1407<br>CHM 1109 | Discussion |
| 6416 | Bonnie Dixon<br>TuTh 12:30pm - 1:45pm<br>M 1:00pm - 1:50pm   | Seats (Total: 36)<br>CHM 1407<br>CHM 1109 | Discussion |
| 6417 | Bonnie Dixon<br>TuTh 12:30pm - 1:45pm<br>M 2:00pm - 2:50pm   | Seats (Total: 36)<br>CHM 1407<br>CHM 1109 | Discussion |
| 6435 | Bonnie Dixon<br>TuTh 12:30pm - 1:45pm<br>W 12:00pm - 12:50pm   | Seats (Total: 36)<br>CHM 1407<br>CHM 0128 | Discussion |
| 6436 | Bonnie Dixon<br>TuTh 12:30pm - 1:45pm<br>W 1:00pm - 1:50pm   | Seats (Total: 36)<br>CHM 1407<br>CHM 0128 | Discussion |
| 6437 | Bonnie Dixon<br>TuTh 12:30pm - 1:45pm<br>W 2:00pm - 2:50pm   | Seats (Total: 36)<br>CHM 1407<br>CHM 0128 | Discussion |
| SEF1 | Howard Fribush<br>M 6:30pm - 9:30pm<br>W 6:30pm - 7:20pm<br><br><i>Restricted to students in the SIE Program. Click here for more information.</i> | Seats (Total: 24)<br>PLS 1140<br>CHM 0127 | Discussion |

## CHEM242

### Organic Chemistry Laboratory II

Credits: 1

Grading Method: Regular

*Prerequisite: CHEM231 and CHEM232; or CHEM237. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM241. Credit only granted for: CHEM243 or CHEM247. Formerly: CHEM243.*

*Synthetic organic chemistry through functional group manipulation, introduction to instrumentation essential to analysis and structure elucidation.*

Students must pay a \$40.00 laboratory materials fee.

|      |                                     |                               |     |
|------|-------------------------------------|-------------------------------|-----|
| 6121 | Lee Friedman<br>M 12:00pm - 2:50pm  | Seats (Total: 18)<br>CHM 1302 | Lab |
| 6122 | Lee Friedman<br>M 12:00pm - 2:50pm  | Seats (Total: 18)<br>CHM 1308 | Lab |
| 6123 | Lee Friedman<br>M 12:00pm - 2:50pm  | Seats (Total: 18)<br>CHM 1326 | Lab |
| 6131 | Lee Friedman<br>M 3:00pm - 5:50pm   | Seats (Total: 18)<br>CHM 1302 | Lab |
| 6132 | Lee Friedman<br>M 3:00pm - 5:50pm   | Seats (Total: 18)<br>CHM 1308 | Lab |
| 6141 | Lee Friedman<br>M 6:00pm - 8:50pm   | Seats (Total: 18)<br>CHM 1302 | Lab |
| 6142 | Lee Friedman<br>M 6:00pm - 8:50pm   | Seats (Total: 18)<br>CHM 1308 | Lab |
| 6144 | Lee Friedman<br>M 6:00pm - 8:50pm   | Seats (Total: 18)<br>CHM 1330 | Lab |
| 6221 | Lee Friedman<br>Tu 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1302 | Lab |
| 6222 | Lee Friedman<br>Tu 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1308 | Lab |
| 6224 | Lee Friedman<br>Tu 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1330 | Lab |
| 6231 | Lee Friedman<br>Tu 3:30pm - 6:20pm  | Seats (Total: 18)<br>CHM 1302 | Lab |

|      |                                     |                               |     |
|------|-------------------------------------|-------------------------------|-----|
| 6232 | Lee Friedman<br>Tu 3:30pm - 6:20pm  | Seats (Total: 18)<br>CHM 1308 | Lab |
| 6234 | Lee Friedman<br>Tu 3:30pm - 6:20pm  | Seats (Total: 18)<br>CHM 1330 | Lab |
| 6241 | Lee Friedman<br>Tu 6:30pm - 9:20pm  | Seats (Total: 18)<br>CHM 1302 | Lab |
| 6243 | Lee Friedman<br>Tu 6:30pm - 9:20pm  | Seats (Total: 18)<br>CHM 1326 | Lab |
| 6321 | Lee Friedman<br>W 12:00pm - 2:50pm  | Seats (Total: 18)<br>CHM 1302 | Lab |
| 6322 | Lee Friedman<br>W 12:00pm - 2:50pm  | Seats (Total: 18)<br>CHM 1308 | Lab |
| 6323 | Lee Friedman<br>W 12:00pm - 2:50pm  | Seats (Total: 18)<br>CHM 1326 | Lab |
| 6324 | Lee Friedman<br>W 12:00pm - 2:50pm  | Seats (Total: 18)<br>CHM 1330 | Lab |
| 6331 | Lee Friedman<br>W 3:00pm - 5:50pm   | Seats (Total: 18)<br>CHM 1302 | Lab |
| 6332 | Lee Friedman<br>W 3:00pm - 5:50pm   | Seats (Total: 14)<br>CHM 1308 | Lab |
| 6333 | Lee Friedman<br>W 3:00pm - 5:50pm   | Seats (Total: 18)<br>CHM 1326 | Lab |
| 6334 | Lee Friedman<br>W 3:00pm - 5:50pm   | Seats (Total: 18)<br>CHM 1330 | Lab |
| 6344 | Lee Friedman<br>W 6:00pm - 8:50pm   | Seats (Total: 18)<br>CHM 1330 | Lab |
| 6421 | Lee Friedman<br>Th 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1302 | Lab |

|  |                     |                   |     |
|--|---------------------|-------------------|-----|
| 6422   | Lee Friedman        | Seats (Total: 18) |     |
|  | Th 12:30pm - 3:20pm | CHM 1308          | Lab |
| 6423   | Lee Friedman        | Seats (Total: 18) |     |
|  | Th 12:30pm - 3:20pm | CHM 1326          | Lab |
| 6431   | Lee Friedman        | Seats (Total: 18) |     |
|  | Th 3:30pm - 6:20pm  | CHM 1302          | Lab |
| 6432   | Lee Friedman        | Seats (Total: 18) |     |
|  | Th 3:30pm - 6:20pm  | CHM 1308          | Lab |
| 6433   | Lee Friedman        | Seats (Total: 18) |     |
|  | Th 3:30pm - 6:20pm  | CHM 1326          | Lab |
| 6434   | Lee Friedman        | Seats (Total: 18) |     |
|  | Th 3:30pm - 6:20pm  | CHM 1330          | Lab |
| SEF1   | Lee Friedman        | Seats (Total: 18) |     |
|  | W 7:30pm - 10:30pm  | CHM 1308          | Lab |
| <i>Restricted to students in the SIE Program. Click here for more information.</i> |                     |                   |     |

## CHEM247

### Principles of Organic Chemistry II

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in CHEM237; or permission of CMNS-Chemistry & Biochemistry department. Restriction: Must be in one of the following programs (Chemistry; Biochemistry) ; or must be an honors student. Credit only granted for: CHEM243 or CHEM247.*

*A continuation of CHEM237 with emphasis on molecular structure, substitution reactions; carbonium ions; aromaticity; synthetic processes; macromolecules.*

Students must pay a \$40.00 laboratory materials fee.

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 6113 | Myles Poulin          | Seats (Total: 18) |            |
|      | MWF 10:00am - 10:50am | CHM 1402          |            |
|      | M 3:00pm - 5:50pm     | CHM 1326          | Lab        |
|      | Tu 12:30pm - 1:20pm   | CHM 0124          | Discussion |

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 6224 | Myles Poulin          | Seats (Total: 18) |            |
|      | MWF 10:00am - 10:50am | CHM 1402          |            |
|      | Tu 3:30pm - 6:20pm    | CHM 1326          | Lab        |
|      | Tu 2:00pm - 2:50pm    | CHM 0124          | Discussion |
| 6323 | Myles Poulin          | Seats (Total: 18) |            |
|      | MWF 10:00am - 10:50am | CHM 1402          |            |
|      | Tu 12:30pm - 3:20pm   | CHM 1326          | Lab        |
|      | Tu 3:30pm - 4:20pm    | CHM 0124          | Discussion |

## CHEM271

### General Chemistry and Energetics

Credits: 2                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHEM241 and CHEM242; or CHEM247. And a grade of C- or better in the prerequisites for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM272. Credit only granted for: CHEM113, CHEM153, CHEM271 or CHEM276. Formerly: CHEM113.*

*An introduction to the physical aspects of chemistry; chemical kinetics thermodynamics and electrochemistry in the context of current chemistry research.*

|      |                                   |                   |            |
|------|-----------------------------------|-------------------|------------|
| 2222 | Bryan Eichhorn, Michael Zachariah | Seats (Total: 28) |            |
|      | MW 11:00am - 11:50am              | CHM 1407          |            |
|      | Tu 8:00am - 8:50am                | CHM 0127          | Discussion |
| 2225 | Michael Zachariah, Bryan Eichhorn | Seats (Total: 28) |            |
|      | MW 11:00am - 11:50am              | CHM 1407          |            |
|      | Tu 9:30am - 10:20am               | CHM 0127          | Discussion |
| 2227 | Michael Zachariah, Bryan Eichhorn | Seats (Total: 28) |            |
|      | MW 11:00am - 11:50am              | CHM 1407          |            |
|      | Tu 11:00am - 11:50am              | CHM 0127          | Discussion |
| 2242 | Michael Zachariah, Bryan Eichhorn | Seats (Total: 28) |            |
|      | MW 11:00am - 11:50am              | CHM 1407          |            |
|      | Th 12:30pm - 1:20pm               | CHM 0122          | Discussion |
| 2245 | Bryan Eichhorn, Michael Zachariah | Seats (Total: 28) |            |
|      | MW 11:00am - 11:50am              | CHM 1407          |            |
|      | Th 2:00pm - 2:50pm                | CHM 0122          | Discussion |

|      |   |   |            |
|------|---|---|------------|
| 2247 | Bryan Eichhorn, Michael Zachariah<br>MW 11:00am - 11:50am<br>Th 3:30pm - 4:20pm   | Seats (Total: 28)<br>CHM 1407<br>CHM 0122 | Discussion |
| 2326 | Bryan Eichhorn, Michael Zachariah<br>MW 3:00pm - 3:50pm<br>Tu 12:30pm - 1:20pm  | Seats (Total: 28)<br>CHM 1407<br>CHM 0127 | Discussion |
| 2327 | Bryan Eichhorn, Michael Zachariah<br>MW 3:00pm - 3:50pm<br>Tu 2:00pm - 2:50pm   | Seats (Total: 28)<br>CHM 1407<br>CHM 0127 | Discussion |
| 2328 | Michael Zachariah, Bryan Eichhorn<br>MW 3:00pm - 3:50pm<br>Tu 3:30pm - 4:20pm   | Seats (Total: 28)<br>CHM 1407<br>CHM 0127 | Discussion |
| 2341 | Bryan Eichhorn, Michael Zachariah<br>MW 3:00pm - 3:50pm<br>Th 8:00am - 8:50am   | Seats (Total: 28)<br>CHM 1407<br>CHM 0127 | Discussion |
| 2342 | Michael Zachariah, Bryan Eichhorn<br>MW 3:00pm - 3:50pm<br>Th 9:30am - 10:20am  | Seats (Total: 28)<br>CHM 1407<br>CHM 0127 | Discussion |
| 2344 | Michael Zachariah, Bryan Eichhorn<br>MW 3:00pm - 3:50pm<br>Th 12:30pm - 1:20pm  | Seats (Total: 28)<br>CHM 1407<br>CHM 0127 | Discussion |
| SEF1 | Daniel Gowetski<br>M 6:00pm - 7:50pm<br>W 6:30pm - 7:20pm<br><br><i>Restricted to students in the SIE Program. Click here for more information.</i> | Seats (Total: 20)<br>CHM 1228<br>CHM 1228 | Discussion |

## CHEM272

### General Bioanalytical Chemistry Laboratory

Credits: 2

Grading Method: Regular,  
Pass-Fail

*Prerequisite: CHEM241 and CHEM242; or CHEM247. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM271. Credit only granted for: CHEM227, CHEM272 or CHEM277.*

*An introduction to analytical chemistry with an emphasis on bio-analytical instrumentation and techniques.*

Students must pay a \$40.00 laboratory materials fee.

|      |   |   |     |
|------|---|---|-----|
| 8122 | Amanda Schech<br>F 11:00am - 11:50am<br>M 12:00pm - 2:50pm  | Seats (Total: 24)<br>CHM 1407<br>ESJ 2316 | Lab |
| 8132 | Amanda Schech<br>F 11:00am - 11:50am<br>M 3:00pm - 5:50pm   | Seats (Total: 24)<br>CHM 1407<br>ESJ 2316 | Lab |
| 8211 | Amanda Schech<br>F 11:00am - 11:50am<br>Tu 9:30am - 12:20pm | Seats (Total: 24)<br>CHM 1407<br>ESJ 2312 | Lab |
| 8222 | Amanda Schech<br>F 11:00am - 11:50am<br>Tu 12:30pm - 3:20pm | Seats (Total: 24)<br>CHM 1407<br>ESJ 2316 | Lab |
| 8231 | Amanda Schech<br>F 11:00am - 11:50am<br>Tu 3:30pm - 6:20pm  | Seats (Total: 24)<br>CHM 1407<br>ESJ 2312 | Lab |
| 8321 | Amanda Schech<br>F 11:00am - 11:50am<br>W 12:00pm - 2:50pm  | Seats (Total: 24)<br>CHM 1407<br>ESJ 2312 | Lab |
| 8331 | Amanda Schech<br>F 11:00am - 11:50am<br>W 3:00pm - 5:50pm   | Seats (Total: 24)<br>CHM 1407<br>ESJ 2312 | Lab |
| 8431 | Amanda Schech<br>F 11:00am - 11:50am<br>Th 3:30pm - 6:20pm  | Seats (Total: 24)<br>CHM 1407<br>ESJ 2312 | Lab |
| 8532 | Amanda Schech<br>F 11:00am - 11:50am<br>F 3:00pm - 5:50pm   | Seats (Total: 24)<br>CHM 1407<br>ESJ 2316 | Lab |



|      |   |   |     |
|------|---|---|-----|
| 9121 | Amanda Schech<br>F 3:00pm - 3:50pm<br>M 12:00pm - 2:50pm  | Seats (Total: 24)<br>CHM 1407<br>ESJ 2312 | Lab |
| 9131 | Amanda Schech<br>F 3:00pm - 3:50pm<br>M 3:00pm - 5:50pm   | Seats (Total: 24)<br>CHM 1407<br>ESJ 2312 | Lab |
| 9221 | Amanda Schech<br>F 3:00pm - 3:50pm<br>Tu 12:30pm - 3:20pm | Seats (Total: 24)<br>CHM 1407<br>ESJ 2312 | Lab |
| 9232 | Amanda Schech<br>F 3:00pm - 3:50pm<br>Tu 3:30pm - 6:20pm  | Seats (Total: 24)<br>CHM 1407<br>ESJ 2316 | Lab |
| 9322 | Amanda Schech<br>F 3:00pm - 3:50pm<br>W 12:00pm - 2:50pm  | Seats (Total: 24)<br>CHM 1407<br>ESJ 2316 | Lab |
| 9332 | Amanda Schech<br>F 3:00pm - 3:50pm<br>W 3:00pm - 5:50pm   | Seats (Total: 24)<br>CHM 1407<br>ESJ 2316 | Lab |
| 9422 | Amanda Schech<br>F 3:00pm - 3:50pm<br>Th 12:30pm - 3:20pm | Seats (Total: 24)<br>CHM 1407<br>ESJ 2316 | Lab |
| 9432 | Amanda Schech<br>F 3:00pm - 3:50pm<br>Th 3:30pm - 6:20pm  | Seats (Total: 24)<br>CHM 1407<br>ESJ 2316 | Lab |
| 9521 | Amanda Schech<br>F 3:00pm - 3:50pm<br>F 12:00pm - 2:50pm  | Seats (Total: 24)<br>CHM 1407<br>ESJ 2312 | Lab |
| 9522 | Amanda Schech<br>F 3:00pm - 3:50pm<br>F 12:00pm - 2:50pm  | Seats (Total: 24)<br>CHM 1407<br>ESJ 2316 | Lab |

|  |                    |                   |
|--|--------------------|-------------------|
| SEF1   | Amanda Schech      | Seats (Total: 24) |
|  | M 8:00pm - 8:50pm  | CHM 1228          |
|  | W 7:30pm - 10:30pm | ESJ 2312      Lab |
| <i>Restricted to students in the SIE Program. Click here for more information.</i> |                    |                   |

## CHEM277      Fundamentals of Analytical and Bioanalytical Chemistry Laboratory

Credits: 3      Grading Method: Regular

*Prerequisite: Minimum grade of C- in CHEM241 and CHEM242; or minimum grade of C- in CHEM247.*

*Corequisite: CHEM276. Restriction: Must be in one of the following programs (Chemistry; Biochemistry). Credit only granted for: CHEM153, CHEM227, CHEM272 or CHEM277.*

*Quantitative analysis, inorganic analytical chemistry, and an introduction to bio-analytical instrumentation and techniques.*

Students must pay a \$40.00 lab materials fee.

|      |                       |                   |
|------|-----------------------|-------------------|
| 8111 | John Fourkas          | Seats (Total: 18) |
|      | F 11:00am - 11:50am   | CHM 1224          |
|      | MW 12:00pm - 2:50pm   | ESJ 0312      Lab |
| 8211 | John Fourkas          | Seats (Total: 18) |
|      | F 11:00am - 11:50am   | CHM 1224          |
|      | TuTh 12:30pm - 3:20pm | ESJ 0312      Lab |

## CHEM389A      Pedagogy and Instruction in Chemistry; Instruction in Chemistry

(Perm req)

Credits: 1      Grading Method: Regular

*Methodologies, theory and educational tools applicable to the field of undergraduate chemistry education. Examples covered will use content from introductory general and organic chemistry courses.*

|   |              |                   |
|---|--------------|-------------------|
| 0101  | Lee Friedman | Seats (Total: 25) |
| Contact instructor or department for details. |              |                   |

## CHEM398      Special Projects

(Perm req)

Credits: 2      Grading Method: Regular,  
Pass-Fail, Audit

*Honors projects for undergraduate students.*

Limited to chemistry honors students. Consult with Dr. Montague-Smith.

**Contact department for information to register for this course.**

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**CHEM399A Introduction to Chemical Research**

(Perm req)

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit

*Basic (chemical) research conducted under the supervision of a faculty member.*

**Contact department for information to register for this course.**

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**CHEM399B Introduction to Chemical Research**

(Perm req)

Credits: 2

Grading Method: Regular,  
Pass-Fail, Audit

*Basic (chemical) research conducted under the supervision of a faculty member.*

**Contact department for information to register for this course.**

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**CHEM399C Introduction to Chemical Research**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Basic (chemical) research conducted under the supervision of a faculty member.*

**Contact department for information to register for this course.**

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**CHEM399X Introduction to Chemical Research; Chemistry Instruction**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Basic (chemical) research conducted under the supervision of a faculty member.*

|   |                        |                   |
|---|------------------------|-------------------|
| 0101  | Michael Montague-Smith | Seats (Total: 8)  |
| Contact instructor or department for details. |                        |                   |
| 0102  | Lee Friedman           | Seats (Total: 30) |
| Contact instructor or department for details. |                        |                   |

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**CHEM403 Radiochemistry**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have completed one year of college chemistry and one year of college physics.*

*Radioactive decay; introduction to properties of atomic nuclei; nuclear processes in cosmology; chemical, biomedical and environmental applications of radioactivity; nuclear processes as chemical tools; interaction of radiation with matter.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | William Walters       | Seats (Total: 45) |
|      | MWF 12:00pm - 12:50pm | CHM 1224          |

## CHEM425 Instrumental Methods of Analysis

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHEM272 and CHEM271; or (CHEM276 and CHEM277).*

*Modern instrumentation in analytical chemistry. Electronics, spectroscopy, chromatography and electrochemistry.*

Students must pay a \$40.00 laboratory materials fee.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Natalia White         | Seats (Total: 12) |
|      | MW 10:00am - 10:50am  | KEB 1200          |
|      | MW 12:00pm - 2:50pm   | CHM 3228      Lab |
| 0102 | Natalia White         | Seats (Total: 12) |
|      | MW 10:00am - 10:50am  | KEB 1200          |
|      | TuTh 12:30pm - 3:20pm | CHM 3228      Lab |
| 0104 | Natalia White         | Seats (Total: 12) |
|      | MW 10:00am - 10:50am  | KEB 1200          |
|      | TuTh 9:30am - 12:20pm | CHM 3228      Lab |
| 0105 | Natalia White         | Seats (Total: 12) |
|      | MW 10:00am - 10:50am  | KEB 1200          |
|      | MW 6:00pm - 8:50pm    | CHM 3228      Lab |
| 0109 | Natalia White         | Seats (Total: 12) |
|      | MW 10:00am - 10:50am  | KEB 1200          |
|      | TuTh 6:30pm - 9:20pm  | CHM 3228      Lab |

## CHEM441 Advanced Organic Chemistry

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have completed or be concurrently enrolled in CHEM481; and 1 course with a minimum grade of C- from (CHEM241, CHEM247). Also offered as: CHEM641.*

*An advanced study of the compounds of carbon, with special emphasis on molecular orbital theory and organic reaction mechanisms.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Oswaldo Gutierrez  | Seats (Total: 34) |
|      | MW 4:00pm - 5:15pm | CHM 1228          |

## CHEM460      **Structure Determination Using Spectroscopic Methods**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have completed CHEM243; or CHEM247; or (CHEM241 and CHEM242). Formerly: CHEM660.*

*The use of infrared, ultraviolet-visible, proton and carbon-13 nuclear magnetic resonance and mass spectroscopy for structure determination in organic chemistry.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Lyle Isaacs           | Seats (Total: 40) |
|      | MWF 10:00am - 10:50am | CHM 1224          |

## CHEM481      **Physical Chemistry I**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in CHEM135; or minimum grade of C- in CHEM271 and CHEM272; or minimum grade of C- in CHEM276 and CHEM277. And minimum grade of C- in MATH141. And minimum grade of C- in PHYS260 and PHYS261; or minimum grade of C- in PHYS141.*

*Thermodynamics and kinetics of chemical and molecular systems. Topics may include internal energy, heat, work, enthalpy, entropy, free energy, and spontaneity as well as reaction order, differential rate laws, integrated rate laws, and rate laws for multi-step processes.*

|      |                     |                    |
|------|---------------------|--------------------|
| 0101 | Millard Alexander   | Seats (Total: 116) |
|      | MWF 9:00am - 9:50am | CHM 1402           |

## CHEM482      **Physical Chemistry II**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in CHEM481.*

*Quantum mechanical nature of atoms and molecules. Topics may include model systems for electronic, vibrational, rotational and translational energies as well as connections to molecular spectroscopy and thermal distributions.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | YuHuang Wang        | Seats (Total: 42) |
|      | MWF 9:00am - 9:50am | CHM 0119          |

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**CHEM483      Physical Chemistry Laboratory I**

Credits: 2                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have completed or be concurrently enrolled in CHEM481.*

*An introduction to the principles and application of quantitative techniques in physical chemical measurements. Experiments will be coordinated with topics in CHEM481.*

Students must pay a \$40.00 lab materials fee.

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0114 | Earle Stone          | Seats (Total: 18) |     |
|      | Th 11:00am - 11:50am | PLS 1130          |     |
|      | Tu 9:30am - 12:20pm  | CHM 3225          | Lab |
| 0124 | Earle Stone          | Seats (Total: 18) |     |
|      | Th 11:00am - 11:50am | PLS 1130          |     |
|      | Tu 2:00pm - 4:50pm   | CHM 3225          | Lab |
| 0144 | Earle Stone          | Seats (Total: 18) |     |
|      | Th 11:00am - 11:50am | PLS 1130          |     |
|      | W 2:00pm - 4:50pm    | CHM 3225          | Lab |

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**CHEM484      Physical Chemistry Laboratory II**

Credits: 2                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHEM481 and CHEM483; and must have completed or be concurrently enrolled in CHEM482.*

*A continuation of CHEM 483. Advanced quantitative techniques necessary in physical chemical measurements. Experiments will be coordinated with topics in CHEM 482.*

Students must pay a \$40.00 laboratory materials fee.

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0124 | Earle Stone         | Seats (Total: 12) |     |
|      | Th 3:30pm - 4:20pm  | CHM 1224          |     |
|      | W 10:00am - 12:50pm | CHM 3221          | Lab |
| 0134 | Earle Stone         | Seats (Total: 12) |     |
|      | Th 3:30pm - 4:20pm  | CHM 1224          |     |
|      | W 3:00pm - 5:50pm   | CHM 3221          | Lab |

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**CHEM601**

# Structure and Bonding of Molecules and Materials

Credits: 3      Grading Method: Regular, Audit

*Development of the tools necessary to use the knowledge of structure and bonding of molecules and solids in the practice of synthetic inorganic and materials chemistry. Several bonding models are covered, from the simple valence bond and ligand field models to a quantitative group theoretical treatment of molecular orbital theory and band structure descriptions of solids. Concepts of electron counting and oxidation state and ligand characteristics are revisited in terms of the more sophisticated bonding models. Finally, these models are used to analyze the reactivity, magnetic and spectroscopic properties of inorganic coordination compounds. Prior advanced inorganic and/or advanced quantum chemistry courses are not prerequisites.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Lawrence Sita       | Seats (Total: 21) |
|      | MWF 9:00am - 9:50am | CHM 1224          |

## CHEM608K

## Selected Topics in Inorganic Chemistry; Chemistry Teaching and Learning in Higher Education

(Perm req)

Credits: 2      Grading Method: Regular,  
Audit

*Topics of special interest and current importance.*

Also offered as BIOL608K, CBMG699K, and ENTM699K. Credit will be granted for only one of the following: BIOL608K, CBMG699K, CHEM608K, or ENTM699K.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Gili Ad-Marbach    | Seats (Total: 12) |
|      | W 12:00pm - 1:40pm | BPS 1208          |

## CHEM611

## Professional Skills for New Graduate Students

Credits: 1      Grading Method: Regular,  
Audit

*Restriction: Must be in one of the following programs (Chemistry (Master's); Biochemistry (Master's); Biochemistry (Doctoral); Chemistry (Doctoral)) ; and must be a new graduate student.*

*Covers a wide range of topics in professional development for new graduate students.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Amy Mullin        | Seats (Total: 35) |
|      | F 2:00pm - 3:15pm | CHM 1228          |

**CHEM624**

## Electrical Methods of Quantitative Analysis

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: CHEM482; or students who have taken courses with comparable content may contact the department.*

*The use of conductivity, potentiometry, polarography, voltammetry, amperometry, coulometry, and chronopotentiometry in quantitative analysis.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Sangbok Lee          | Seats (Total: 30) |
|      | TuTh 8:00am - 9:15am | CHM 1224          |

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**CHEM625      Separation Methods in Quantitative Analysis**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: CHEM482; or students who have taken courses with comparable content may contact the department.*

*The theory and application for quantitative analysis of various forms of chromatography, ion exchange, solvent extraction, distillation, and mass spectroscopy.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Cheng Lee            | Seats (Total: 15) |
|      | TuTh 4:30pm - 5:45pm | CHM 1228          |

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**CHEM640      Problems in Organic Reaction Mechanisms**

Credits: 1      Grading Method: Regular,  
Audit

*A tutorial type course dealing with the basic description of the fundamentals of writing organic reaction mechanisms.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Daniel Falvey       | Seats (Total: 20) |
|      | F 12:00pm - 12:50pm | CHM 1228          |

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**CHEM641      Organic Reaction Mechanisms**

Credits: 3      Grading Method: Regular,  
Audit

*Also offered as: CHEM441.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Osvaldo Gutierrez  | Seats (Total: 34) |
|      | MW 4:00pm - 5:15pm | CHM 1228          |

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**CHEM684      Chemical Thermodynamics**



Credits: 3      Grading Method: Regular, Audit

*Prerequisite: CHEM482; or students who have taken courses with comparable content may contact the department.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | John Weeks             | Seats (Total: 29) |
|      | TuTh 11:00am - 12:15pm | CHM 1228          |

## CHEM689B Special Topics in Physical Chemistry

Credits: 3      Grading Method: Regular,  
Audit

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Zhihong Nie          | Seats (Total: 20) |
|      | TuTh 2:00pm - 3:15pm | CHM 1224          |

## CHEM690 Quantum Chemistry I

Credits: 3      Grading Method: Regular,  
Audit

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Amy Mullin            | Seats (Total: 25) |
|      | TuTh 9:30am - 10:45am | CHM 1224          |

## CHEM699 Special Problems in Chemistry

Credits: 1-6      Grading Method: Regular,  
Audit

*Laboratory experience in a research environment.*

Open only to non-thesis Master's degree candidates.

**Contact department for information to register for this course.**

**CHEM799**      **Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

## CHEM889A Seminar

Credits: 1      Grading Method: Regular, Audit

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Alice Mignerey      | Seats (Total: 15) |
|      | W 11:00am - 11:50am | CHM 0112          |

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**CHEM889C Seminar**

Credits: 1      Grading Method: Regular,  
Audit

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Instructor: TBA      | Seats (Total: 30) |
|      | Th 11:00am - 11:50am | CHM 0112          |

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**CHEM889D Seminar; Organic**

Credits: 1      Grading Method: Regular,  
Audit

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Philip DeShong       | Seats (Total: 20) |
|      | Th 11:00am - 11:50am | CHM 0112          |

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**CHEM889E Seminar; Physical Chemistry**

Credits: 1      Grading Method: Regular,  
Audit

Also offered as CHEM898F and CHPH709A. Credit will be granted for one of the following:  
CHEM889E, CHEM889F, or CHPH709A.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | John Weeks          | Seats (Total: 15) |
|      | W 11:00am - 11:50am | CHM 0112          |

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**CHEM889F Seminar; Chemical Physics**

Credits: 1      Grading Method: Regular,  
Audit

Also offered as CHEM898E and CHPH709A. Credit will be granted for one of the following:  
CHEM889E, CHEM889F, or CHPH709A.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | John Weeks          | Seats (Total: 15) |
|      | W 11:00am - 11:50am | CHM 0112          |

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**CHEM889M Seminar; Materials Chemistry**

Credits: 1      Grading Method: Regular, Audit

**Contact department for information to register for this course.**

## CHEM898 Pre-Candidacy Research

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

## CHEM899      Doctoral Dissertation Research

(Perm req)

Credits: 6      Grading Method: Regular

**Contact department for information to register for this course.**

**CHIN**      **Chinese**      **Fall 2017**

**CHIN101**      **Intensive Elementary Chinese I**

(Perm req)

Credits: 6      Grading Method: Regular

*Prerequisite: Must have attained appropriate Foreign Language Placement Test (FLPT) score.*

*Introduction to speaking, reading, and writing Chinese with an emphasis on mastering the essentials of pronunciation, basic characters and structural patterns.*

|      |                              |                   |
|------|------------------------------|-------------------|
| 0101 | Jungjung Lee-Heitz, Mei Kong | Seats (Total: 15) |
|      | MWF 10:00am - 10:50am        | JMZ 0122          |
|      | TuTh 9:30am - 10:45am        | JMZ 0122          |
| 0201 | Mei Kong, Jungjung Lee-Heitz | Seats (Total: 15) |
|      | MWF 11:00am - 11:50am        | JMZ 0122          |
|      | TuTh 11:00am - 12:15pm       | JMZ 0122          |
| 0301 | Jungjung Lee-Heitz, Mei Kong | Seats (Total: 15) |
|      | MWF 2:00pm - 2:50pm          | JMZ 0122          |
|      | TuTh 2:00pm - 3:15pm         | JMZ 0122          |

**CHIN105**      **Elementary Chinese - Accelerated Track**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed CHIN103, CHIN102, or CHIN101.*

*Accelerated instruction in Mandarin Chinese at the elementary level for students with prior Chinese language background, either through home use or formal instruction.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Yuli Wang             | Seats (Total: 15) |
|      | MWF 10:00am - 10:50am | JMZ 2123          |

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**CHIN169A Special Topics in Study Abroad I; Elementary Chinese I**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**CHIN169B Special Topics in Study Abroad I; Elementary Chinese II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**CHIN201 Intermediate Spoken Chinese I**

(Perm req)

Credits: 3                      Grading Method: Regular                      CORE: HO

*Prerequisite: CHIN102; or must have attained appropriate Foreign Language Placement Test (FLPT) score. Corequisite: CHIN202. Additional information: Must be taken in conjunction with CHIN202.*

*Emphasis on development of conversational skills with vocabulary build-up and controlled conversation.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Guiling Hu            | Seats (Total: 15) |
|      | MWF 11:00am - 11:50am | JMZ 3118          |
| 0201 | Guiling Hu            | Seats (Total: 15) |
|      | MWF 1:00pm - 1:50pm   | JMZ 2120          |

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**CHIN202 Intermediate Written Chinese I**

(Perm req)

Credits: 3                      Grading Method: Regular                      CORE: HO

*Prerequisite: CHIN103; or must have attained appropriate Foreign Language Placement Test (FLPT) score. Corequisite: CHIN201. Additional information: Must be taken in conjunction with CHIN201.*

*Reading and writing skills with emphasis on grammar and Chinese characters.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Lili Zhang             | Seats (Total: 15) |
|      | TuTh 11:00am - 12:15pm | JMZ 3118          |
| 0201 | Jungjung Lee-Heitz     | Seats (Total: 15) |
|      | TuTh 12:30pm - 1:45pm  | JMZ 3122          |

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**CHIN203 Intermediate Spoken Chinese II**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: HO

*Prerequisite: CHIN201; or students who have taken courses with comparable content may contact the department; or must have attained appropriate Foreign Language Placement Test (FLPT) score.*  
*Corequisite: CHIN204. Additional information: Must be taken in conjunction with CHIN204.*

*Continuation of CHIN201.*

**Contact department for information to register for this course.**

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**CHIN269B Special Topics in Study Abroad II; Chinese Business Issues and Practices**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**CHIN269D Special Topics in Study Abroad II; Chinese Conversation**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**CHIN269I Special Topics in Study Abroad II; Intermediate Spoken Chinese I**

Credits: 1-2      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**CHIN269K Special Topics in Study Abroad II; Intermediate Chinese II**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**CHIN269P      Special Topics in Study Abroad II; The China Phenomenon**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**CHIN269V      Special Topics in Study Abroad II; Chinese Calligraphy**

Credits: 2                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**CHIN269W      Special Topics in Study Abroad II; Chinese Calligraphy II**

Credits: 2                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**CHIN301      Advanced Chinese I**

(Perm req)                      Credits: 3                      Grading Method: Regular

*Prerequisite: CHIN202; or students who have taken courses with comparable content may contact the department. And must have taken a placement interview offered by the department for Non-majors.*

*Readings in expository and fictional writing with conversation and composition.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Yuli Wang             | Seats (Total: 15) |
|      | MWF 11:00am - 11:50am | JMZ 1123          |
| 0201 | Yuli Wang             | Seats (Total: 15) |
|      | MWF 1:00pm - 1:50pm   | JMZ 2125          |

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**CHIN305      Life in China through TV Plays I**

(Perm req)                      Credits: 3                      Grading Method: Regular

*Prerequisite: CHIN203 and CHIN204; or permission of ARHU-School of Languages, Literatures, and Cultures department.*

*Using authentic Chinese language material in short TV plays to learn about society and life in China.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Yuli Wang           | Seats (Total: 15) |
|      | MWF 2:00pm - 2:50pm | JMZ 1226          |

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**CHIN313 Chinese Poetry and Prose in Translation**

Credits: 3                      Grading Method: Regular,                      , D  
Pass-Fail, Audit

*Writing of the major poets, essayists, and historians from the 10th century B.C. to the 12th century A.D.  
No knowledge of Chinese is required.*

**Contact department for information to register for this course.**

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**CHIN369B Special Topics in Study Abroad III; Advanced Chinese I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**CHIN369C Special Topics in Study Abroad III; Advanced Chinese II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**CHIN369D Special Topics in Study Abroad III; Advanced Chinese III**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**CHIN369E Special Topics in Study Abroad III; Advanced Chinese IV**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**CHIN386      Experiential Learning**

(Perm req)

Credits: 3-6      Grading Method: Regular,  
Pass-Fail

*Prerequisite: Must have learning proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

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**CHIN401      Readings in Modern Chinese I**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: CHIN302; or students who have taken courses with comparable content may contact the department. And must have taken a placement interview offered by the department for Non-majors.*

*Readings in history, politics, economics, sociology, and literature. Emphasis on wide-ranging, rapid reading, reinforced by conversations and compositions.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Guiling Hu            | Seats (Total: 17) |
|      | MWF 10:00am - 10:50am | JMZ 2117          |

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**CHIN411      Business Chinese I**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHIN402; or permission of ARHU-School of Languages, Literatures, and Cultures department. And must have taken a placement interview offered by the department for Non-majors.*

*Conversation, reading, and writing applicable to Chinese business transactions, social meetings, and meetings with government organizations, plus background material in English on professional business practices and social customs associated with business.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Mei Kong            | Seats (Total: 15) |
|      | MWF 3:00pm - 3:50pm | JMZ 1226          |

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**CHIN441      Traditional Chinese Fiction**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department.*



*Major works of fiction from the 4th century tales of the marvelous through the 19th century Qing novel. Readings are in classical Chinese and English. Designed for students with advanced language skills. Taught in English.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Andrew Schonebaum     | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | JMZ 2123          |

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**CHIN499 Directed Study in Chinese**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail

*Readings in Chinese under faculty supervision.*

**Contact department for information to register for this course.**

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**CHPH Chemical Physics** **Fall 2017**

**CHPH618 Special Projects in Chemical Physics**

(Perm req)

Credits: 2      Grading Method: Regular,  
Audit

*Independent reading and study covering chemical physics subject areas not available in other courses.*

**Contact department for information to register for this course.**

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**CHPH709A Seminar in Chemical Physics; Physical Chemistry**

Credits: 1      Grading Method: Regular,  
Audit

*Current research and developments in chemical physics.*

Also offered as CHEM898E and CHEM898F. Credit will be granted for one of the following: CHEM889E, CHEM889F, or CHPH709A.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | John Weeks          | Seats (Total: 15) |
|      | W 11:00am - 11:50am | CHM 0112          |

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**CHPH709B Seminar in Chemical Physics; Statistical Physics**

Credits: 1      Grading Method: Regular,  
Audit

*Current research and developments in chemical physics.*

Also offered as PHYS709.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | John Weeks         | Seats (Total: 30) |
|      | Tu 1:15pm - 2:30pm | IPT 1116          |

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**CHPH709L Seminar in Chemical Physics; Biophysics**

Credits: 1      Grading Method: Regular,  
Audit

*Current research and developments in chemical physics.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Arpita Upadhyaya  | Seats (Total: 10) |
|      | M 4:00pm - 5:30pm | CHM 0112          |

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**CHPH718I Special Topics in Chemical Physics; Chemical Physics Rotation**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

*A discussion of current research problems in chemical physics.*

For Chemical Physics Students only.

|      |   |                  |
|------|---|------------------|
| 0201 | Garegin Papoian                               | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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**CHPH799 Master's Thesis Research**

(Perm req)

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**CHPH898 Pre-Candidacy Research**

(Perm req)

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

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**CHPH899 Doctoral Dissertation Research**

(Perm req)

Credits: 6      Grading Method: Regular

**Contact department for information to register for this course.**

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**CLAS Classics**

**Fall 2017**

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**CLAS169M Special Topics in Study Abroad I; Myths and Legends**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**CLAS170                      Greek and Roman Mythology**

Credits: 3                      Grading Method: Regular,                      CORE: HL                      General Education: DSHU  
Pass-Fail, Audit

*Also offered as: RELS170. Credit only granted for: CLAS170 or RELS170. Additional information: This course cannot be taken for language credit.*

*An introduction to the mythology of ancient Greece and Rome. This course is particularly recommended for students planning to major in foreign languages, English, history, the fine arts, or journalism. Taught in English.*

|      |   |   |
|------|---|---|
| 0101 | Lillian Doherty<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am  | Seats (Total: 24)<br>MMH 1400<br>ARC 1103                      Discussion |
| 0102 | Lillian Doherty<br>MW 10:00am - 10:50am<br>Th 11:00am - 11:50am | Seats (Total: 24)<br>MMH 1400<br>PLS 1111                      Discussion |
| 0103 | Lillian Doherty<br>MW 10:00am - 10:50am<br>Th 11:00am - 11:50am | Seats (Total: 24)<br>MMH 1400<br>PLS 1117                      Discussion |
| 0104 | Lillian Doherty<br>MW 10:00am - 10:50am<br>Th 12:30pm - 1:20pm  | Seats (Total: 24)<br>MMH 1400<br>JMP 1109                      Discussion |
| 0105 | Lillian Doherty<br>MW 10:00am - 10:50am<br>Th 12:30pm - 1:20pm  | Seats (Total: 24)<br>MMH 1400<br>MTH 0305                      Discussion |
| 0106 | Lillian Doherty<br>MW 10:00am - 10:50am<br>F 11:00am - 11:50am  | Seats (Total: 24)<br>MMH 1400<br>ARC 1103                      Discussion |
| 0107 | Lillian Doherty<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am  | Seats (Total: 24)<br>MMH 1400<br>MTH 0405                      Discussion |

|      |   |   |            |
|------|---|---|------------|
| 0201 | Lillian Doherty<br>MW 11:00am - 11:50am<br>F 1:00pm - 1:50pm  | Seats (Total: 26)<br>MMH 1400<br>HBK 1108 | Discussion |
| 0202 | Lillian Doherty<br>MW 11:00am - 11:50am<br>F 2:00pm - 2:50pm  | Seats (Total: 26)<br>MMH 1400<br>ASY 3215 | Discussion |
| 0203 | Lillian Doherty<br>MW 11:00am - 11:50am<br>Th 9:30am - 10:20am  | Seats (Total: 26)<br>MMH 1400<br>MTH 0303 | Discussion |
| 0205 | Lillian Doherty<br>MW 11:00am - 11:50am<br>F 11:00am - 11:50am  | Seats (Total: 26)<br>MMH 1400<br>MTH 0401 | Discussion |
| FC01 | Rachel Mullervy<br>TuTh 4:30pm - 5:45pm<br><br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 20)<br>HBK 1112             |            |
| FC02 | Rachel Mullervy<br>TuTh 6:00pm - 7:15pm<br><br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 24)<br>HBK 1112             |            |
| FC03 | Madeleine Goh<br>MW 4:30pm - 5:45pm<br><br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 24)<br>TLF 1101             |            |
| FC04 | Ryan Moore<br>TuTh 7:30pm - 8:45pm<br><br><i>Restricted to students in Freshmen Connection.</i>   | Seats (Total: 24)<br>KEY 0116             |            |
| FCH1 | William Proffitt<br>W 6:00pm - 7:15pm<br>Contact instructor or department for details.<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 20)<br>ASY 3217             |            |

## CLAS275

### Why do we laugh?

Credits: 3

Grading Method: Regular,  
Pass-Fail

General Education: DSHU,  
SCIS

*An introduction to the breadth and complexity of humor's role in society. Students will familiarize themselves with the explanations that various disciplines have offered about what makes us laugh, and analyze the major impact humor has in our understanding of who we are and how we see our world.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Francisco Barrenechea  | Seats (Total: 30) |
|      | TuTh 11:00am - 12:15pm | JMZ 1122          |

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**CLAS305      Archaeological Methods and Practice**

Credits: 3                      Grading Method: Regular                      General Education: DSHS  
*Prerequisite: ANTH240, ARTH200, or CLAS180. Also offered as: ANTH305, ARTH305. Credit only granted for: ANTH305, ARTH305, or CLAS305.*

*A team-taught, interdisciplinary course discussing theories, methods, and ethical issues in the practice of archaeology.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | George Hambrecht     | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm | KEY 0116          |

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**CLAS309F      Special Topics in Classical Literature; Roman Civil Law**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Readings in translation.*

Examines fundamental concepts of Roman civil law by focusing on the Roman approaches to perennial questions (what is one's status in the community, who is one eligible to marry, who should have custody of the children, how to make or challenge a will), and on what we know or can infer about the Romans' justifications for their solutions to legal problems. Readings are in English.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Gregory Bucher      | Seats (Total: 20) |
|      | MWF 9:00am - 9:50am | HBK 1108          |

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**CLAS311      Inventing Ancient Greek Culture**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: DSHU,  
DVUP

*Who were the ancient Greeks, and were they the founders of Western civilization? The course examines the foundations of ancient Greece. Through an analysis of the historical, archaeological, and linguistic evidence, it sheds light on the so-called Black Athena Controversy, which raised doubts about the ancient Greek contribution to Western culture. The course also focuses on the impact of modern identity politics on scholarly discussions of antiquity and the ways in which the Culture Wars of the 1980s and 1990s have influenced analyses of the ancient Greek world.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Eric Adler           | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm | JMZ 0103          |

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**CLAS409W Classics Capstone Seminar; Classical Heritage in Washington,D.C.: An Exhibit in the Making**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSSP

*Comparative study of selected central aspects of both ancient Greek and Roman cultures as viewed from the standpoints of literary study, history, art history, and other fields as appropriate. Seminar format involving intensive student research.*

Most of the classes will be at the Smithsonian, with the exception of Thursday, August 31st and December 7th. On these days, class will meet on campus in JMZ 0208. Students will learn about and practice exhibition and event making by focusing on archaeological materials and archives related to the Classical Mediterranean housed in the Smithsonian Institution. The course will culminate in a public display and an evening event in early 2018, prepared by a series of research projects developed over the course. Students will work on the content preparation and exhibition design and will discuss the role of museums in preserving classical heritage.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Alexander Nagel    | Seats (Total: 15) |
|      | Th 4:30pm - 7:00pm | Location: TBA     |

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**CLAS499 Independent Study in Classical Languages and Literatures**

(Perm req)

Credits: 1-3      Grading Method: Regular, Pass-Fail, Audit

**Contact department for information to register for this course.**

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**CLAS688F Special Topics in Classical Civilization; Roman Civil Law**

Credits: 3      Grading Method: Regular, Audit

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Gregory Bucher      | Seats (Total: 10) |
|      | MWF 9:00am - 9:50am | HBK 1108          |

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**CLFS Chemical and Life Sciences**

**Fall 2017**

**CLFS608 Seminar in Current Topics in Chemical and Life Science; Scholarly Paper**

(Perm req)

Credits: 1-3      Grading Method: Regular, Audit

*Seminar in current topics in the Life Sciences. Contact Program Director or instructor before registering.*

Contact Dr. Brett Kent (bkent@umd.edu) to establish a mentor; and then contact the Office of Extended Studies (oes@umd.edu) to register.

**Contact department for information to register for this course.**

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**CLFS608A Seminar in Current Topics in Chemical and Life Science; Independent Research**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Audit

*Seminar in current topics in the Life Sciences. Contact Program Director or instructor before registering.*

Contact the Office of Extended Studies (oes@umd.edu) to register.

**Contact department for information to register for this course.**

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**CLFS609A Special Topics; Food Safety and GM Foods**

Credits: 3

Grading Method: Regular,  
Audit

*Individual instruction course. Contact Program Director or instructor before registering.*

|      |  |                   |
|------|--|-------------------|
| PL01 | Lucinda Jack                                       | Seats (Total: 15) |
|      | <b>Meets August 28, 2017 - November 17, 2017</b>   |                   |
|      | Class time/details on ELMs                         | ONLINE            |
|      | <i>Restricted to students in the CLFS program.</i> |                   |

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**CLFS609E Special Topics; Immunology**

Credits: 1-3

Grading Method: Regular,  
Audit

*Individual instruction course. Contact Program Director or instructor before registering.*

|      |  |                  |
|------|--|------------------|
| PL01 | Kenneth Frauwirth                                  | Seats (Total: 8) |
|      | <b>Meets August 28, 2017 - November 17, 2017</b>   |                  |
|      | Class time/details on ELMs                         | ONLINE           |
|      | <i>Restricted to students in the CLFS program.</i> |                  |

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**CLFS610 Natural Products Chemistry**

Credits: 3

Grading Method: Regular

*Restriction: Permission of CMNS-Chemical & Life Sciences department. Credit only granted for: LFSC609D or LFSC610. Formerly: LFSC609D.*

*Foundations of natural products chemistry; how nature goes about making (biosynthesizing) these compounds and elements of enzymology and genomics relevant to production of these compounds; relevance of natural products chemistry as a driving force for drug discovery and innovation in biotechnology.*

|      |  |                  |
|------|--|------------------|
| PL01 | Marjan Alaghmand                                   | Seats (Total: 7) |
|      | <b>Meets August 28, 2017 - November 17, 2017</b>   |                  |
|      | Class time/details on ELMs                         | ONLINE           |
|      | <i>Restricted to students in the CLFS program.</i> |                  |

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## **CLFS620      Modern Molecular Genetics**

Credits: 3      Grading Method: Regular,  
Audit

*An overview of genetics including the genetic basis/components in prevalent diseases, genetically engineered organisms and foods, the importance of knowing the complete DNA sequence of organisms.*

|      |  |                   |
|------|--|-------------------|
| PL01 | Paul Bottino                                       | Seats (Total: 11) |
|      | <b>Meets August 28, 2017 - November 17, 2017</b>   |                   |
|      | Class time/details on ELMs                         | ONLINE            |
|      | <i>Restricted to students in the CLFS program.</i> |                   |

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## **CMLT      Comparative Literature      Fall 2017**

### **CMLT235      Black Diaspora Literature and Culture**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: HL, D      General Education: DSHU,  
DVUP

*Credit only granted for: CMLT235 or ENGL235.*

*Examination of key works by writers of the African Diaspora. Relationship among black people across multiple geographic spaces; Africa, the Caribbean, the United States, Europe, Latin America, and Asia. Specific historical, cultural, and literary contexts; themes such as gender, sexuality, migration, slavery, freedom, and equality. Readings may include literary texts (fiction, poetry, drama), music and film. All readings in English, but drawn from multiple languages of the black diaspora, including English, Spanish, French and Portuguese.*



|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Keisha Allan          | Seats (Total: 30) |
|      | TuTh 9:30am - 10:45am | ASY 3219          |

## CMLT242 Introduction to Jewish Literature

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSHU, DVUP

*Also offered as: JWST272. Credit only granted for: HEBR231, JWST272, or CMLT242. Formerly: HEBR231.*

*A survey of Jewish literature and introduction to methods of reading literature in general and Jewish literature in particular. Concern with what makes a literary corpus Jewish and other issues of canonicity. All texts in English translation.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Adi Mahalel          | Seats (Total: 35) |
|      | TuTh 3:30pm - 4:45pm | ONLINE            |

## CMLT269C Special Topics in Study Abroad II; Modern Catalan Literature

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

## CMLT270 Global Literature and Social Change

Credits: 3      Grading Method: Regular      CORE: HL, D      General Education: DSHU, DVUP

*Comparative study of literature through selected literary works from several non-Western cultures, viewed cross-culturally in light of particular social, political, and economic perspectives.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Martina Domnick       | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm  | JMZ 0125          |
| 0201 | Andrea Knowles        | Seats (Total: 30) |
|      | MWF 11:00am - 11:50am | KEY 0102          |

## CMLT275 World Literature by Women

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HL, D      General Education: DSHU, DVUP

Also offered as: WMST275. Credit only granted for: CMLT275 or WMST275.

*Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0201 | Emilee Durand        | Seats (Total: 30) |
|      | MW 2:00pm - 3:15pm   | KEY 0102          |
| 0301 | Nataliya Pratsovyta  | Seats (Total: 30) |
|      | TuTh 5:00pm - 6:15pm | KEY 0102          |

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**CMLT277****Literatures of the Americas**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HL, D      General Education: DSHU, DVUP

*Comparative study of several North, South, and Central American culture with a focus on the specificities, similarities, and divergences of their literary and cultural texts.*

Also offered as ENGL278L.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | DeLisa Hawkes        | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm | TWS 1320          |

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**CMLT280****Film Art in a Global Society**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HA, D      General Education: DSHU, DVUP

*Comparative study of a variety of film traditions from around the world including cinema from Hollywood, Europe, Asia and developing countries, with a stress on different cultural contexts for film-making and viewing.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Manon Soulet           | Seats (Total: 30) |
|      | MWF 12:00pm - 12:50pm  | SQH 1101          |
| 0201 | Sara Faradji           | Seats (Total: 30) |
|      | TuTh 11:00am - 12:15pm | KEY 0102          |

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**CMLT369A****Special Topics in Study Abroad III; Postcolonial Literatures in English I**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**CMLT369T      Special Topics in Study Abroad III; Politics and Literature in the 20th Century**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**CMLT369X      Special Topics in Study Abroad III; Shakespeare and Lope de Vega**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**CMLT386      Experiential Learning**

(Perm req)

Credits: 3-6                      Grading Method: Regular,  
Pass-Fail

*Restriction: Junior standing or higher; and permission of ARHU-English department.*

**Contact department for information to register for this course.**

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**CMLT398J      Special Topics in Comparative Studies; Representing the Holocaust**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics in comparative studies.*

Also offered as JWST346, ENGL332, and ISRL329J. Credit only granted for CMLT398J, JWST346, ENGL332, or ISRL329J. Different perspectives on how the Holocaust should be represented. Examination of a wide range of texts including fiction, memoirs, critical essays, poems and films in different languages (in translation). Emphasis on the international and comparative nature of Holocaust literary studies and investigation into the propriety of literary representation of historical catastrophe. Consideration of our own role as readers serving as witnesses to an event that has marked itself indelibly in the aesthetic history of the twentieth century.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Sheila Jelen           | Seats (Total: 35) |
|      | TuTh 11:00am - 12:15pm | TWS 0236          |

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**CMLT398L      Special Topics in Comparative Studies; Sexuality in the Cinema**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics in comparative studies.*

Also offered as ENGL329C. Credit will be granted for only one of the following: CMLT398L, CMLT498L, or ENGL329C.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Eugene Robinson            | Seats (Total: 28) |
|      | Class time/details on ELMs | ONLINE            |

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**CMLT398N      Special Topics in Comparative Studies; Gypsy Culture**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics in comparative studies.*

Also offered as ENGL379V. Credit will be granted for only one of the following: CMLT398N, CMLT498N, or ENGL379V.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Eugene Robinson            | Seats (Total: 28) |
|      | Class time/details on ELMs | ONLINE            |

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**CMLT398T      Special Topics in Comparative Studies; Postcolonial Literature in English I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics in comparative studies.*

**Contact department for information to register for this course.**

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**CMLT498V      Selected Topics in Comparative Studies; Lost in Translation**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**CMLT679F      Topics in Comparative Studies; Contemporary Latina/o Literature**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*Seminar in modern and contemporary literature: as announced.*

Also offered as ENGL658A. Credit granted for ENGL 658A or CMLT679F.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Randy Ontiveros   | Seats (Total: 14) |
|      | M 3:30pm - 6:00pm | TWS 3250          |

(Perm req)

*Seminar in modern and contemporary literature: as announced.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Zita Nunes         | Seats (Total: 14) |
|      | Tu 3:30pm - 6:00pm | TWS 3136          |

(Perm req)

*Research and writing on specific readings on a topic selected by the student which is approved and supervised by a faculty member.*

Credits: 1      Grading Method: Sat-Fail

Class meets from 1:30pm-3:30pm in TWS 3134 on the following dates: 9/29, 10/27, 11/10.

|      |   |                   |
|------|---|-------------------|
| 0101 | Instructor: TBA                               | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

**Contact department for information to register for this course.**

**Contact department for information to register for this course.**

(Perm req)

**Contact department for information to register for this course.**

**CMSC100 Bits and Bytes of Computer Science**

(Perm req)

Credits: 1      Grading Method: Regular

*Restriction: For first time freshmen and first time transfer computer science majors.*

*Students are introduced to the field (and disciplines) of computer science within a small classroom setting. They will learn to make a successful transition from high school to the university, while exploring study skills, student success plans and research opportunities.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Amy Vaillancourt  | Seats (Total: 25) |
|      | M 4:00pm - 4:50pm | CSI 1121          |
| 0201 | Alyssa Neuner     | Seats (Total: 25) |
|      | W 4:00pm - 4:50pm | CSI 1121          |

**CMSC106 Introduction to C Programming**

Credits: 4      Grading Method: Regular

*Prerequisite: MATH115. Restriction: Must not be in Computer Science program; and must not have completed any courses from CMSC131-499 course range.*

*Design and analysis of programs in C. An introduction to computing using structured programming concepts. Intended for students with no or minimal programming experience.*

|      |                    |                          |
|------|--------------------|--------------------------|
| 0101 | Ilchul Yoon        | Seats (Total: 50)        |
|      | MW 5:00pm - 6:15pm | CSI 1121                 |
|      | MW 3:00pm - 3:50pm | CSI 1121      Discussion |

**CMSC122 Introduction to Computer Programming via the Web**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: IE      General Education: DSSP

*Restriction: Must not have completed any courses from CMSC131-499 course range; and must not be concurrently enrolled in CMSC131. Credit only granted for: CMSC122 or CMSC198N. Formerly: CMSC198N.*

*Introduction to computer programming in the context of developing full featured dynamic web sites. Uses a problem solving approach to teach basics of program design and implementation using JavaScript; relates these skills to creation of dynamic web sites; then explores both the potential and limits of web-based information sources for use in research. Intended to help relate a student's major to these emerging technologies.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Fawzi Emad            | Seats (Total: 85) |
|      | MWF 11:00am - 11:50am | CSI 3117          |
| 0201 | Fawzi Emad            | Seats (Total: 85) |
|      | MWF 12:00pm - 12:50pm | CSI 3117          |
| 0301 | Fawzi Emad            | Seats (Total: 85) |
|      | MWF 1:00pm - 1:50pm   | CSI 3117          |

## CMSC131

## Object-Oriented Programming I

(Perm req)

Credits: 4

Grading Method: Regular

*Corequisite: MATH140; and permission of CMNS-Computer Science department.*

*Introduction to programming and computer science. Emphasizes understanding and implementation of applications using object-oriented techniques. Develops skills such as program design and testing as well as implementation of programs using a graphical IDE. Programming done in Java.*

|      |                      |                     |
|------|----------------------|---------------------|
| 0101 | Evan Golub           | Seats (Total: 40)   |
|      | MWF 4:00pm - 4:50pm  | ESJ 0202            |
|      | MW 8:00am - 8:50am   | CSI 2120 Discussion |
| 0102 | Evan Golub           | Seats (Total: 40)   |
|      | MWF 4:00pm - 4:50pm  | ESJ 0202            |
|      | MW 2:00pm - 2:50pm   | CSI 1121 Discussion |
| 0103 | Evan Golub           | Seats (Total: 40)   |
|      | MWF 4:00pm - 4:50pm  | ESJ 0202            |
|      | MW 10:00am - 10:50am | CSI 2120 Discussion |
| 0104 | Evan Golub           | Seats (Total: 40)   |
|      | MWF 4:00pm - 4:50pm  | ESJ 0202            |
|      | MW 11:00am - 11:50am | CSI 2120 Discussion |
| 0105 | Evan Golub           | Seats (Total: 40)   |
|      | MWF 4:00pm - 4:50pm  | ESJ 0202            |
|      | MW 2:00pm - 2:50pm   | CSI 2120 Discussion |
| 0106 | Evan Golub           | Seats (Total: 40)   |
|      | MWF 4:00pm - 4:50pm  | ESJ 0202            |
|      | MW 9:00am - 9:50am   | CSI 2120 Discussion |

|      |   |   |            |
|------|---|---|------------|
| 0107 | Evan Golub<br>MWF 4:00pm - 4:50pm<br>MW 10:00am - 10:50am   | Seats (Total: 44)<br>ESJ 0202<br>CSI 1122 | Discussion |
| 0108 | Evan Golub<br>MWF 4:00pm - 4:50pm<br>MW 11:00am - 11:50am   | Seats (Total: 44)<br>ESJ 0202<br>CSI 1122 | Discussion |
| 0401 | Ilchul Yoon, William Pugh<br>MWF 3:00pm - 3:50pm<br>MW 1:00pm - 1:50pm  | Seats (Total: 38)<br>ESJ 0202<br>CSI 2120 | Discussion |
| 0402 | Ilchul Yoon, William Pugh<br>MWF 3:00pm - 3:50pm<br>MW 8:00am - 8:50am  | Seats (Total: 32)<br>ESJ 0202<br>CSI 2118 | Discussion |
| 0403 | William Pugh, Ilchul Yoon<br>MWF 3:00pm - 3:50pm<br>MW 12:00pm - 12:50pm  | Seats (Total: 78)<br>ESJ 0202<br>ESJ 0215 | Discussion |
| 0404 | Ilchul Yoon, William Pugh<br>MWF 3:00pm - 3:50pm<br>MW 9:00am - 9:50am  | Seats (Total: 32)<br>ESJ 0202<br>CSI 2118 | Discussion |
| 0406 | Ilchul Yoon, William Pugh<br>MWF 3:00pm - 3:50pm<br>MW 1:00pm - 1:50pm  | Seats (Total: 32)<br>ESJ 0202<br>CSI 2118 | Discussion |
| 0407 | William Pugh, Ilchul Yoon<br>MWF 3:00pm - 3:50pm<br>MW 10:00am - 10:50am  | Seats (Total: 78)<br>ESJ 0202<br>ESJ 1215 | Discussion |
| 0409 | Ilchul Yoon, William Pugh<br>MWF 3:00pm - 3:50pm<br>MW 2:00pm - 2:50pm  | Seats (Total: 42)<br>ESJ 0202<br>ESJ 1309 | Discussion |
| FC01 | Nelson Padua-Perez<br>MW 6:00pm - 7:15pm<br>Tu 6:00pm - 7:15pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 94)<br>CSI 1115<br>CSI 1115 | Discussion |



**CMSC131A Object-Oriented Programming I**

(Perm req)

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit*Corequisite: MATH140; and permission of CMNS-Computer Science department.**Introduction to programming and computer science. Emphasizes understanding and implementation of applications using object-oriented techniques. Develops skills such as program design and testing as well as implementation of programs using a graphical IDE. Programming done in Java.*

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0101 | David Van Horn        | Seats (Total: 36) |            |
|      | MWF 11:00am - 11:50am | CSI 1115          |            |
|      | MW 12:00pm - 12:50pm  | CSI 2120          | Discussion |
| 0102 | David Van Horn        | Seats (Total: 36) |            |
|      | MWF 11:00am - 11:50am | CSI 1115          |            |
|      | MW 5:00pm - 5:50pm    | CSI 2120          | Discussion |
| 0103 | David Van Horn        | Seats (Total: 36) |            |
|      | MWF 11:00am - 11:50am | CSI 1115          |            |
|      | MW 4:00pm - 4:50pm    | CSI 2120          | Discussion |
| 0104 | David Van Horn        | Seats (Total: 32) |            |
|      | MWF 11:00am - 11:50am | CSI 1115          |            |
|      | MW 12:00pm - 12:50pm  | CSI 2118          | Discussion |

**CMSC132 Object-Oriented Programming II**

(Perm req)

Credits: 4      Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC131; or must have earned a score of 5 on the A Java AP exam. Or permission of the department based on satisfactory performance on the department placement exam; and minimum grade of C- in MATH140; and permission of CMNS-Computer Science department.**Introduction to use of computers to solve problems using software engineering principles. Design, build, test, and debug medium -size software systems and learn to use relevant tools. Use object-oriented methods to create effective and efficient problem solutions. Use and implement application programming interfaces (APIs). Programming done in Java.*

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0101 | Pedram Sadeghian      | Seats (Total: 34) |            |
|      | MWF 10:00am - 10:50am | CSI 1115          |            |
|      | MW 11:00am - 11:50am  | CSI 2107          | Discussion |

|      |   |   |            |
|------|---|---|------------|
| 0102 | Pedram Sadeghian<br>MWF 10:00am - 10:50am<br>MW 12:00pm - 12:50pm | Seats (Total: 34)<br>CSI 1115<br>CSI 2107 | Discussion |
| 0103 | Pedram Sadeghian<br>MWF 10:00am - 10:50am<br>MW 1:00pm - 1:50pm   | Seats (Total: 34)<br>CSI 1115<br>CSI 2107 | Discussion |
| 0104 | Pedram Sadeghian<br>MWF 10:00am - 10:50am<br>MW 2:00pm - 2:50pm   | Seats (Total: 34)<br>CSI 1115<br>CSI 2107 | Discussion |
| 0201 | Pedram Sadeghian<br>MWF 1:00pm - 1:50pm<br>MW 8:00am - 8:50am     | Seats (Total: 32)<br>CSI 1115<br>CSI 3118 | Discussion |
| 0202 | Pedram Sadeghian<br>MWF 1:00pm - 1:50pm<br>MW 9:00am - 9:50am     | Seats (Total: 32)<br>CSI 1115<br>CSI 3118 | Discussion |
| 0203 | Pedram Sadeghian<br>MWF 1:00pm - 1:50pm<br>MW 10:00am - 10:50am   | Seats (Total: 32)<br>CSI 1115<br>CSI 2118 | Discussion |
| 0204 | Pedram Sadeghian<br>MWF 1:00pm - 1:50pm<br>MW 11:00am - 11:50am   | Seats (Total: 32)<br>CSI 1115<br>CSI 2118 | Discussion |
| 0301 | Pedram Sadeghian<br>MWF 12:00pm - 12:50pm<br>MW 8:00am - 8:50am   | Seats (Total: 32)<br>CSI 1115<br>CSI 2107 | Discussion |
| 0302 | Pedram Sadeghian<br>MWF 12:00pm - 12:50pm<br>MW 9:00am - 9:50am   | Seats (Total: 32)<br>CSI 1115<br>CSI 2107 | Discussion |
| 0303 | Pedram Sadeghian<br>MWF 12:00pm - 12:50pm<br>MW 9:00am - 9:50am   | Seats (Total: 32)<br>CSI 1115<br>CSI 1121 | Discussion |

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0304 | Pedram Sadeghian      | Seats (Total: 32) |            |
|      | MWF 12:00pm - 12:50pm | CSI 1115          |            |
|      | MW 8:00am - 8:50am    | CSI 3117          | Discussion |
| 0401 | Nelson Padua-Perez    | Seats (Total: 36) |            |
|      | MWF 9:00am - 9:50am   | CSI 1115          |            |
|      | MW 3:00pm - 3:50pm    | CSI 2107          | Discussion |
| 0402 | Nelson Padua-Perez    | Seats (Total: 36) |            |
|      | MWF 9:00am - 9:50am   | CSI 1115          |            |
|      | MW 4:00pm - 4:50pm    | CSI 2107          | Discussion |
| 0403 | Nelson Padua-Perez    | Seats (Total: 36) |            |
|      | MWF 9:00am - 9:50am   | CSI 1115          |            |
|      | MW 10:00am - 10:50am  | CSI 2107          | Discussion |
| 0404 | Nelson Padua-Perez    | Seats (Total: 36) |            |
|      | MWF 9:00am - 9:50am   | CSI 1115          |            |
|      | MW 5:00pm - 5:50pm    | CSI 2107          | Discussion |

## CMSC132H

### Object-Oriented Programming II

(Perm req)

Credits: 4

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in CMSC131; or must have earned a score of 5 on the A Java AP exam. Or permission of the department based on satisfactory performance on the department placement exam; and minimum grade of C- in MATH140; and permission of CMNS-Computer Science department.*

*Introduction to use of computers to solve problems using software engineering principles. Design, build, test, and debug medium -size software systems and learn to use relevant tools. Use object-oriented methods to create effective and efficient problem solutions. Use and implement application programming interfaces (APIs). Programming done in Java.*

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0101 | Nelson Padua-Perez    | Seats (Total: 26) |            |
|      | MWF 10:00am - 10:50am | CSI 3117          |            |
|      | MW 5:00pm - 5:50pm    | CSI 3120          | Discussion |

## CMSC216

### Introduction to Computer Systems

(Perm req)

Credits: 4

Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC132; and minimum grade of C- in MATH141. Corequisite: CMSC250. Credit only granted for: CMSC212, (CMSC213 and CMSC313), or CMSC216.*

*Machine representation of data including integers and floating point. Modern computer architectural features and their interaction with software (registers, caches). Interaction between user programs and the OS: system class, process, and thread management. Optimizing software to improve runtime performance using both compilers and hand turning.*

|      |  |   |            |
|------|--|---|------------|
| 0101 | Laurence Herman<br>TuTh 9:30am - 10:45am<br>MW 8:00am - 8:50am   | Seats (Total: 37)<br>CSI 1115<br>CSI 1122 | Discussion |
| 0102 | Laurence Herman<br>TuTh 9:30am - 10:45am<br>MW 9:00am - 9:50am   | Seats (Total: 37)<br>CSI 1115<br>CSI 1122 | Discussion |
| 0103 | Laurence Herman<br>TuTh 9:30am - 10:45am<br>MW 10:00am - 10:50am | Seats (Total: 32)<br>CSI 1115<br>CSI 3118 | Discussion |
| 0104 | Laurence Herman<br>TuTh 9:30am - 10:45am<br>MW 12:00pm - 12:50pm | Seats (Total: 37)<br>CSI 1115<br>CSI 1122 | Discussion |
| 0201 | A.U. Shankar<br>TuTh 11:00am - 12:15pm<br>MW 11:00am - 11:50am   | Seats (Total: 32)<br>ESJ 2208<br>CSI 3118 | Discussion |
| 0202 | A.U. Shankar<br>TuTh 11:00am - 12:15pm<br>MW 1:00pm - 1:50pm     | Seats (Total: 36)<br>ESJ 2208<br>CSI 3120 | Discussion |
| 0203 | A.U. Shankar<br>TuTh 11:00am - 12:15pm<br>MW 3:00pm - 3:50pm     | Seats (Total: 32)<br>ESJ 2208<br>CSI 2118 | Discussion |
| 0204 | A.U. Shankar<br>TuTh 11:00am - 12:15pm<br>MW 3:00pm - 3:50pm     | Seats (Total: 36)<br>ESJ 2208<br>CSI 2120 | Discussion |
| 0301 | Laurence Herman<br>TuTh 5:00pm - 6:15pm<br>MW 12:00pm - 12:50pm  | Seats (Total: 32)<br>HJP 0226<br>CSI 3120 | Discussion |

|      |   |   |            |
|------|---|---|------------|
| 0302 | Laurence Herman<br>TuTh 5:00pm - 6:15pm<br>MW 2:00pm - 2:50pm | Seats (Total: 32)<br>HJP 0226<br>CSI 3118 | Discussion |
| 0303 | Laurence Herman<br>TuTh 5:00pm - 6:15pm<br>MW 1:00pm - 1:50pm | Seats (Total: 32)<br>HJP 0226<br>CSI 1122 | Discussion |
| 0304 | Laurence Herman<br>TuTh 5:00pm - 6:15pm<br>MW 1:00pm - 1:50pm | Seats (Total: 34)<br>HJP 0226<br>CSI 2117 | Discussion |
| 0305 | Laurence Herman<br>TuTh 5:00pm - 6:15pm<br>MW 3:00pm - 3:50pm | Seats (Total: 32)<br>HJP 0226<br>CSI 3118 | Discussion |
| 0306 | Laurence Herman<br>TuTh 5:00pm - 6:15pm<br>MW 4:00pm - 4:50pm | Seats (Total: 32)<br>HJP 0226<br>CSI 3118 | Discussion |
| 0307 | Laurence Herman<br>TuTh 5:00pm - 6:15pm<br>MW 4:00pm - 4:50pm | Seats (Total: 32)<br>HJP 0226<br>CSI 3120 | Discussion |
| 0308 | Laurence Herman<br>TuTh 5:00pm - 6:15pm<br>MW 5:00pm - 5:50pm | Seats (Total: 32)<br>HJP 0226<br>CSI 3118 | Discussion |

## CMSC250

## Discrete Structures

(Perm req)

Credits: 4

Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC131; and minimum grade of C- in MATH141. Restriction: Permission of CMNS-Computer Science department. Formerly: CMSC150.*

*Fundamental mathematical concepts related to computer science, including finite and infinite sets, relations, functions, and propositional logic. Introduction to other techniques, modeling and solving problems in computer science. Introduction to permutations, combinations, graphs, and trees with selected applications.*

|      |  |   |            |
|------|--|---|------------|
| 0101 | Jason Filippou<br>TuTh 3:30pm - 4:45pm<br>MW 10:00am - 10:50am | Seats (Total: 34)<br>CSI 1115<br>CSI 3120 | Discussion |
|------|--|---|------------|

|      |   |   |            |
|------|---|---|------------|
| 0102 | Jason Filippou<br>TuTh 3:30pm - 4:45pm<br>MW 11:00am - 11:50am  | Seats (Total: 32)<br>CSI 1115<br>CSI 3120 | Discussion |
| 0103 | Jason Filippou<br>TuTh 3:30pm - 4:45pm<br>MW 12:00pm - 12:50pm  | Seats (Total: 32)<br>CSI 1115<br>CSI 3118 | Discussion |
| 0104 | Jason Filippou<br>TuTh 3:30pm - 4:45pm<br>MW 10:00am - 10:50am  | Seats (Total: 34)<br>CSI 1115<br>CSI 2117 | Discussion |
| 0201 | Jason Filippou<br>TuTh 12:30pm - 1:45pm<br>MW 2:00pm - 2:50pm   | Seats (Total: 36)<br>ESJ 0202<br>CSI 3120 | Discussion |
| 0202 | Jason Filippou<br>TuTh 12:30pm - 1:45pm<br>MW 10:00am - 10:50am | Seats (Total: 36)<br>ESJ 0202<br>CSI 1121 | Discussion |
| 0203 | Jason Filippou<br>TuTh 12:30pm - 1:45pm<br>MW 11:00am - 11:50am | Seats (Total: 34)<br>ESJ 0202<br>CSI 1121 | Discussion |
| 0204 | Jason Filippou<br>TuTh 12:30pm - 1:45pm<br>MW 12:00pm - 12:50pm | Seats (Total: 32)<br>ESJ 0202<br>CSI 2117 | Discussion |
| 0205 | Jason Filippou<br>TuTh 12:30pm - 1:45pm<br>MW 8:00am - 8:50am   | Seats (Total: 32)<br>ESJ 0202<br>CSI 3120 | Discussion |
| 0206 | Jason Filippou<br>TuTh 12:30pm - 1:45pm<br>MW 9:00am - 9:50am   | Seats (Total: 34)<br>ESJ 0202<br>CSI 3120 | Discussion |
| 0207 | Jason Filippou<br>TuTh 12:30pm - 1:45pm<br>MW 1:00pm - 1:50pm   | Seats (Total: 32)<br>ESJ 0202<br>CSI 3118 | Discussion |

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0208 | Jason Filippou        | Seats (Total: 32) |            |
|      | TuTh 12:30pm - 1:45pm | ESJ 0202          |            |
|      | MW 3:00pm - 3:50pm    | CSI 3120          | Discussion |
| 0401 | Roger Eastman         | Seats (Total: 34) |            |
|      | TuTh 2:00pm - 3:15pm  | CSI 1115          |            |
|      | MW 8:00am - 8:50am    | CSI 2117          | Discussion |
| 0402 | Roger Eastman         | Seats (Total: 32) |            |
|      | TuTh 2:00pm - 3:15pm  | CSI 1115          |            |
|      | MW 9:00am - 9:50am    | CSI 2117          | Discussion |
| 0403 | Roger Eastman         | Seats (Total: 34) |            |
|      | TuTh 2:00pm - 3:15pm  | CSI 1115          |            |
|      | MW 5:00pm - 5:50pm    | CSI 1122          | Discussion |
| 0404 | Roger Eastman         | Seats (Total: 32) |            |
|      | TuTh 2:00pm - 3:15pm  | CSI 1115          |            |
|      | MW 11:00am - 11:50am  | CSI 2117          | Discussion |

## CMSC250H

### Discrete Structures

(Perm req)

Credits: 4

Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC131; and minimum grade of C- in MATH141. Restriction: Permission of CMNS-Computer Science department. Formerly: CMSC150.*

*Fundamental mathematical concepts related to computer science, including finite and infinite sets, relations, functions, and propositional logic. Introduction to other techniques, modeling and solving problems in computer science. Introduction to permutations, combinations, graphs, and trees with selected applications.*

|      |                        |                   |            |
|------|------------------------|-------------------|------------|
| 0101 | Thomas Goldstein       | Seats (Total: 32) |            |
|      | TuTh 11:00am - 12:15pm | CSI 3120          |            |
|      | MW 4:00pm - 4:50pm     | CSI 2118          | Discussion |

## CMSC298A

### Special Topics in Computer Science

(Perm req)

Credits: 1-4

Grading Method: Sat-Fail

*A course designed to allow a lower level student to pursue a specialize topic or project.*

**Contact department for information to register for this course.**

**CMSC320****Introduction to Data Science**

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC216 and CMSC250. Restriction: Permission of CMNS-Computer Science department.*

*An introduction to the data science pipeline, i.e., the end-to-end process of going from unstructured, messy data to knowledge and actionable insights. Provides a broad overview of several topics including statistical data analysis, basic data mining and machine learning algorithms, large-scale data management, cloud computing, and information visualization.*

|      |                                |                    |
|------|--------------------------------|--------------------|
| 0101 | John Dickerson, Amol Deshpande | Seats (Total: 185) |
|      | MW 2:00pm - 3:15pm             | ESJ 0224           |

**CMSC330****Organization of Programming Languages**

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC250 and CMSC216; and permission of CMNS-Computer Science department.*

*The semantics of programming languages and their run-time organization. Several different models of languages are discussed, including procedural (e.g., C, Pascal), functional (e.g., ML, LISP), rule-based (e.g., Prolog), and object-oriented (e.g., C++, Smalltalk). Run-time structures, including dynamic versus static scope rules, storage for strings, arrays, records, and object inheritance are explored.*

|      |                      |                     |
|------|----------------------|---------------------|
| 0101 | Anwar Mamat          | Seats (Total: 32)   |
|      | TuTh 3:30pm - 4:45pm | ESJ 0202            |
|      | F 1:00pm - 1:50pm    | CSI 2120 Discussion |
| 0102 | Anwar Mamat          | Seats (Total: 32)   |
|      | TuTh 3:30pm - 4:45pm | ESJ 0202            |
|      | F 11:00am - 11:50am  | CSI 2120 Discussion |
| 0103 | Anwar Mamat          | Seats (Total: 32)   |
|      | TuTh 3:30pm - 4:45pm | ESJ 0202            |
|      | F 12:00pm - 12:50pm  | CSI 2120 Discussion |
| 0104 | Anwar Mamat          | Seats (Total: 32)   |
|      | TuTh 3:30pm - 4:45pm | ESJ 0202            |
|      | F 2:00pm - 2:50pm    | CSI 2120 Discussion |



|      |  |   |            |
|------|--|---|------------|
| 0105 | Anwar Mamat<br>TuTh 3:30pm - 4:45pm<br>F 10:00am - 10:50am     | Seats (Total: 32)<br>ESJ 0202<br>CSI 3120 | Discussion |
| 0106 | Anwar Mamat<br>TuTh 3:30pm - 4:45pm<br>F 11:00am - 11:50am     | Seats (Total: 32)<br>ESJ 0202<br>CSI 3120 | Discussion |
| 0107 | Anwar Mamat<br>TuTh 3:30pm - 4:45pm<br>F 12:00pm - 12:50pm     | Seats (Total: 32)<br>ESJ 0202<br>CSI 3120 | Discussion |
| 0108 | Anwar Mamat<br>TuTh 3:30pm - 4:45pm<br>F 1:00pm - 1:50pm       | Seats (Total: 32)<br>ESJ 0202<br>CSI 3120 | Discussion |
| 0301 | Anwar Mamat<br>TuTh 11:00am - 12:15pm<br>F 3:00pm - 3:50pm     | Seats (Total: 32)<br>CSI 1115<br>CSI 2120 | Discussion |
| 0302 | Anwar Mamat<br>TuTh 11:00am - 12:15pm<br>F 2:00pm - 2:50pm     | Seats (Total: 32)<br>CSI 1115<br>CSI 3120 | Discussion |
| 0303 | Anwar Mamat<br>TuTh 11:00am - 12:15pm<br>F 3:00pm - 3:50pm     | Seats (Total: 32)<br>CSI 1115<br>CSI 3120 | Discussion |
| 0304 | Anwar Mamat<br>TuTh 11:00am - 12:15pm<br>F 10:00am - 10:50am   | Seats (Total: 32)<br>CSI 1115<br>CSI 2120 | Discussion |
| 0401 | Jeffrey Foster<br>TuTh 12:30pm - 1:45pm<br>F 10:00am - 10:50am | Seats (Total: 35)<br>CSI 1115<br>CSI 2107 | Discussion |
| 0402 | Jeffrey Foster<br>TuTh 12:30pm - 1:45pm<br>F 11:00am - 11:50am | Seats (Total: 35)<br>CSI 1115<br>CSI 2107 | Discussion |

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0403 | Jeffrey Foster        | Seats (Total: 35) |            |
|      | TuTh 12:30pm - 1:45pm | CSI 1115          |            |
|      | F 12:00pm - 12:50pm   | CSI 2107          | Discussion |
| 0404 | Jeffrey Foster        | Seats (Total: 35) |            |
|      | TuTh 12:30pm - 1:45pm | CSI 1115          |            |
|      | F 1:00pm - 1:50pm     | CSI 2107          | Discussion |

### CMSC351

#### Algorithms

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC250 and CMSC216; and permission of CMNS-Computer Science department. Credit only granted for: CMSC251 or CMSC351. Additional information: CMSC351 may not count as one of the required upper level CMSC courses for students who are required to have 24 upper level CMSC credits for graduation, i.e. for students who became computer science majors prior to Fall, 2002.*

*A systematic study of the complexity of some elementary algorithms related to sorting, graphs and trees, and combinatorics. Algorithms are analyzed using mathematical techniques to solve recurrences and summations.*

|      |                       |                    |  |
|------|-----------------------|--------------------|--|
| 0101 | Clyde Kruskal         | Seats (Total: 130) |  |
|      | MWF 2:00pm - 2:50pm   | CSI 1115           |  |
| 0201 | Clyde Kruskal         | Seats (Total: 138) |  |
|      | MWF 12:00pm - 12:50pm | ESJ 2204           |  |
| 0301 | Mohammad Hajiaghayi   | Seats (Total: 132) |  |
|      | MWF 4:00pm - 4:50pm   | CSI 1115           |  |
| 0401 | Clyde Kruskal         | Seats (Total: 130) |  |
|      | MWF 3:00pm - 3:50pm   | CSI 1115           |  |

### CMSC389K

#### Special Topics in Computer Science; Full-stack Web Development with Node.js

(Perm req)

Credits: 1      Grading Method: Regular

*Seminar courses that allow students to pursue new and emerging areas of Computer Science; course may be used as electives for the undergraduate degree and minor.*

Prerequisite: CMSC216 and CMSC250 with a grade of C- or better. Restriction: Permission of CMNS-Computer Science department. Students will be provided with a comprehensive, practical introduction to modern full-stack web development using JavaScript and Node.js. Starting with basic HTML/CSS/JavaScript. Then, we will move into Node.js and learn how to deploy a website from there. We will learn about Express.js (server-side development module) and MongoDB (database) in order to create a complete web application.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | John Dickerson    | Seats (Total: 30) |
|      | F 3:00pm - 3:50pm | CSI 3118          |

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**CMSC389L      Special Topics in Computer Science; Practical Cloud Computing with AWS**

(Perm req)

Credits: 1                      Grading Method: Regular

*Seminar courses that allow students to pursue new and emerging areas of Computer Science; course may be used as electives for the undergraduate degree and minor.*

Prerequisite: CMSC250 and CMSC330 with a grade of C- or better. Restriction: Permission of CMSN-Computer Science department. Students are provided with a practical and project-oriented introduction to cloud computing with Amazon Web Services (AWS). They will learn how to build applications using a variety of AWS services, including S3, EC2, Lambda, and Beanstalk. Culminating with a final resume-worthy project that will be built, deployed, and demoed to the class.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Neil Spring       | Seats (Total: 30) |
|      | F 1:00pm - 1:50pm | CSI 3118          |

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**CMSC389N      Special Topics in Computer Science; Introduction to PHP and Javascript**

(Perm req)

Credits: 3                      Grading Method: Regular

*Seminar courses that allow students to pursue new and emerging areas of Computer Science; course may be used as electives for the undergraduate degree and minor.*

Prerequisite: Minimum grade of C- in CMSC250 and CMSC216; and permission of CMNS-Computer Science department.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Nelson Padua-Perez | Seats (Total: 78) |
|      | MW 2:00pm - 3:15pm | ESJ 0215          |

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**CMSC389O      Special Topics in Computer Science; The Coding Interview**

(Perm req)

Credits: 1                      Grading Method: Regular

*Seminar courses that allow students to pursue new and emerging areas of Computer Science; course may be used as electives for the undergraduate degree and minor.*

Prerequisite: CMSC216 and CMSC250 with a grade of C- or better. Restriction: Permission of CMNS-Computer Science department. Students will be provided with a comprehensive, practical introduction to technical interviews. Starting with basic topics such as Big O and String Manipulation. We will then move into more complex topics such as Bit Manipulation and Dynamic Programming. Most of the classes will be "In-Class Interviews" and take-home assignments will simulate real interview settings.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | David Levin       | Seats (Total: 30) |
|      | F 2:00pm - 2:50pm | ESJ 2101          |

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**CMSC390****Honors Paper**

(Perm req)

Credits: 3      Grading Method: Regular

*Restriction: Must be admitted to the Computer Science Honors Program.**Special study or research directed toward preparation of honors paper.***Contact department for information to register for this course.**

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**CMSC396H****Computer Science Honors Seminar**

(Perm req)

Credits: 1      Grading Method: Regular

*Prerequisite: Must have admission into Computer Science Departmental Honors Program. Restriction: Permission of CMNS-Computer Science department. Credit only granted for: CMSC297 or CMSC396. Formerly: CMSC297.**Overview of computer science research activities, techniques, and tools. Diverse research areas will be covered, including systems, networks, artificial intelligence, human-computer interaction, software engineering, graphics, vision, and theory.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | David Levin       | Seats (Total: 32) |
|      | W 1:00pm - 1:50pm | AVW 4172          |

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**CMSC411****Computer Systems Architecture**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC330; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department. Credit only granted for: ENEE446 or CMSC411.**Input/output processors and techniques. Intra-system communication, buses, caches. Addressing and memory hierarchies. Microprogramming, parallelism, and pipelining.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Michelle Hugue     | Seats (Total: 85) |
|      | MW 3:30pm - 4:45pm | CSI 2117          |

## CMSC412 Operating Systems

(Perm req)

Credits: 4      Grading Method: Regular      CORE: CS

*Prerequisite: 1 course with a minimum grade of C- from (CMSC414, CMSC417, CMSC420, CMSC430, CMSC433, CMSC435, ENEE440). Restriction: Permission of CMNS-Computer Science department; or must be in one of the following programs (Computer Science (Master's); Computer Science (Doctoral)). Credit only granted for: CMSC412 or ENEE447.*

*A hands-on introduction to operating systems, including topics in: multiprogramming, communication and synchronization, memory management, IO subsystems, and resource scheduling policies. The laboratory component consists of constructing a small kernel, including functions for device IO, multi-tasking, and memory management.*

|      |                        |                          |
|------|------------------------|--------------------------|
| 0101 | Neil Spring            | Seats (Total: 25)        |
|      | TuTh 11:00am - 12:15pm | CSI 1121                 |
|      | MW 12:00pm - 12:50pm   | CSI 1121      Discussion |
| 0102 | Neil Spring            | Seats (Total: 25)        |
|      | TuTh 11:00am - 12:15pm | CSI 1121                 |
|      | MW 1:00pm - 1:50pm     | CSI 1121      Discussion |

## CMSC414 Computer and Network Security

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC330 and CMSC351; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department. Credit only granted for: CMSC414, ENEE459C, or ENEE457.*

*An introduction to the topic of security in the context of computer systems and networks. Identify, analyze, and solve network-related security problems in computer systems. Fundamentals of number theory, authentication, and encryption technologies, as well as the practical problems that have to be solved in order to make those technologies workable in a networked environment, particularly in the wide-area Internet environment.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Michael Marsh         | Seats (Total: 78) |
|      | MW 3:30pm - 4:45pm    | ESJ 0215          |
| 0201 | Michelle Mazurek      | Seats (Total: 85) |
|      | TuTh 9:30am - 10:45am | CSI 3117          |

|      |                    |                   |
|------|--------------------|-------------------|
| 0301 | Michael Marsh      | Seats (Total: 78) |
|      | MW 2:00pm - 3:15pm | ESJ 2212          |

## CMSC417 Computer Networks

(Perm req)

Credits: 3 Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.*

*Computer networks and architectures. The OSI model including discussion and examples of various network layers. A general introduction to existing network protocols. Communication protocol specification, analysis, and testing.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Ashok Agrawala        | Seats (Total: 65) |
|      | TuTh 12:30pm - 1:45pm | CSI 3117          |
| 0201 | Samrat Bhattacharjee  | Seats (Total: 40) |
|      | TuTh 3:30pm - 4:45pm  | CSI 3120          |

## CMSC420 Data Structures

(Perm req)

Credits: 3 Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.*

*Description, properties, and storage allocation of data structures including lists and trees. Algorithms for manipulating structures. Applications from areas such as data processing, information retrieval, symbol manipulation, and operating systems.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Michelle Hugue         | Seats (Total: 85) |
|      | TuTh 2:00pm - 3:15pm   | CSI 3117          |
| 0201 | Michelle Hugue         | Seats (Total: 50) |
|      | TuTh 3:30pm - 4:45pm   | CSI 1122          |
| 0301 | Hanan Samet            | Seats (Total: 50) |
|      | TuTh 11:00am - 12:15pm | CSI 1122          |

## CMSC421 Introduction to Artificial Intelligence

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.*

*Areas and issues in artificial intelligence, including search, inference, knowledge representation, learning, vision, natural languages, expert systems, robotics. Implementation and application of programming languages (e.g. LISP, PROLOG, SMALLTALK), programming techniques (e.g. pattern matching, discrimination networks) and control structures (e.g. agendas, data dependencies).*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Dana Nau             | Seats (Total: 85) |
|      | TuTh 3:30pm - 4:45pm | CSI 3117          |

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## **CMSC422**

### **Introduction to Machine Learning**

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC320, CMSC330, and CMSC351; and 1 course with a minimum grade of C- from (MATH240, MATH461); and permission of CMNS-Computer Science department.*

*Machine Learning studies representations and algorithms that allow machines to improve their performance on a task from experience. This is a broad overview of existing methods for machine learning and an introduction to adaptive systems in general. Emphasis is given to practical aspects of machine learning and data mining.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | James Reggia          | Seats (Total: 85) |
|      | TuTh 12:30pm - 1:45pm | CSI 2117          |
| 0201 | David Jacobs          | Seats (Total: 85) |
|      | MW 2:00pm - 3:15pm    | CSI 2117          |

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## **CMSC423**

### **Bioinformatic Algorithms, Databases, and Tools**

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.*

*An introduction to the main algorithms, databases, and tools used in bioinformatics. Topics may include assembly and analysis of genome sequences, reconstructing evolutionary histories, predicting protein structure, and clustering of biological data. Use of scripting languages to perform analysis tasks on biological data. No prior knowledge of biology is assumed.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Mihai Pop              | Seats (Total: 78) |
|      | TuTh 11:00am - 12:15pm | ESJ 2212          |

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### **CMSC424 Database Design**

(Perm req)

Credits: 3      Grading Method: Regular      CORE: CS

*Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.*

*Students are introduced to database systems and motivates the database approach as a mechanism for modeling the real world. An in-depth coverage of the relational model, logical database design, query languages, and other database concepts including query optimization, concurrency control; transaction management, and log based crash recovery. Distributed and Web database architectures are also discussed.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Nicholas Roussopoulos  | Seats (Total: 80) |
|      | TuTh 11:00am - 12:15pm | CSI 2117          |
| 0201 | Peter Keleher          | Seats (Total: 85) |
|      | MW 3:30pm - 4:45pm     | CSI 3117          |

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### **CMSC426 Computer Vision**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC330 and CMSC351; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department.*

*An introduction to basic concepts and techniques in computervision. This includes low-level operations such as image filtering and edge detection, 3D reconstruction of scenes using stereo and structure from motion, and object detection, recognition and classification.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Larry Davis          | Seats (Total: 50) |
|      | TuTh 2:00pm - 3:15pm | CSI 1122          |

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### **CMSC427 Computer Graphics**

(Perm req)

Credits: 3      Grading Method: Regular



*Prerequisite: MATH240; and minimum grade of C- in CMSC420; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.*

*An introduction to the principles of computer graphics. Includes an introduction to graphics displays and systems. Introduction to the mathematics of affine and projective transformations, perspective, curve and surface modeling, algorithms for hidden-surface removal, color models, methods for modeling illumination, shading, and reflection.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Roger Eastman        | Seats (Total: 50) |
|      | TuTh 3:30pm - 4:45pm | CSI 1121          |

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**CMSC430      Introduction to Compilers**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC330 and CMSC351; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.*

*Topics include lexical analysis, parsing, intermediate representations, program analysis, optimization, and code generation.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Thomas Gilray      | Seats (Total: 50) |
|      | MW 2:00pm - 3:15pm | CSI 1122          |

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**CMSC433      Programming Language Technologies and Paradigms**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC330; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department.*

*Programming language technologies (e.g., object-oriented programming), their implementations and use in software design and implementation.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Walter Cleaveland    | Seats (Total: 88) |
|      | TuTh 5:00pm - 6:15pm | CSI 3117          |

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**CMSC434      Introduction to Human-Computer Interaction**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC330 and CMSC351; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.*

*Assess usability by quantitative and qualitative methods. Conduct task analyses, usability tests, expert reviews, and continuing assessments of working products by interviews, surveys, and logging. Apply design processes and guidelines to develop professional quality user interfaces. Build low-fidelity paper mockups, and a high-fidelity prototype using contemporary tools such as graphic editors and a graphical programming environment (eg: Visual Basic, Java).*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Celeste Paul           | Seats (Total: 47) |
|      | TuTh 11:00am - 12:15pm | CSI 2107          |

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### **CMSC435      Software Engineering**

(Perm req)

Credits: 3      Grading Method: Regular      CORE: CS

*Prerequisite: 1 course with a minimum grade of C- from (CMSC412, CMSC417, CMSC420, CMSC430, CMSC433); and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.*

*State-of-the-art techniques in software design and development. Laboratory experience in applying the techniques covered. Structured design, structured programming, top-down design and development, segmentation and modularization techniques, iterative enhancement, design and code inspection techniques, correctness, and chief-programmer teams. The development of a large software project.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | James Purtilo         | Seats (Total: 48) |
|      | TuTh 12:30pm - 1:45pm | CSI 1121          |

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### **CMSC436      Programming Handheld Systems**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC330 and CMSC351; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department.*

*Fundamental principles and concepts that underlie the programming of handheld systems, such as mobile phones, personal digital assistants, and tablet computers. Particular emphasis will be placed on concepts such as limited display size, power, memory and CPU speed; and new input modalities, where handheld systems differ substantially from non-handheld systems, and thus require special programming tools and approaches. Students will apply these concepts and principles in the context of an existing handset programming platform.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Adam Porter           | Seats (Total: 88) |
|      | TuTh 9:30am - 10:45am | CSI 2117          |

### **CMSC451 Design and Analysis of Computer Algorithms**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC351; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.*

*Fundamental techniques for designing efficient computer algorithms, proving their correctness, and analyzing their complexity. General topics include sorting, selection, graph algorithms, and basic algorithm design paradigms (such as divide-and-conquer, dynamic programming and greedy algorithms), lower bounds and NP-completeness.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | David Mount           | Seats (Total: 85) |
|      | TuTh 3:30pm - 4:45pm  | CSI 2117          |
| 0201 | Aravind Srinivasan    | Seats (Total: 50) |
|      | TuTh 12:30pm - 1:45pm | CSI 1122          |

### **CMSC456 Cryptology**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: (any two 400-level MATH courses; or (CMSC351 and CMSC330)); and permission of CMNS-Computer Science department. Or must be a CMSC graduate student. Also offered as: MATH456. Credit only granted for: CMSC456 or MATH456.*

*Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability, and computer science topics include complexity theory.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Samuel Ranellucci  | Seats (Total: 50) |
|      | MW 5:00pm - 6:15pm | CSI 2117          |

### **CMSC460 Computational Methods**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: MATH240 and MATH241; and (CMSC106 or CMSC131); and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Also offered as: AMSC460. Credit only granted for: AMSC460, AMSC466, CMSC460, or CMSC466.*

*Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Daisy Dahiya<br>MWF 11:00am - 11:50am           | Seats (Total: 29)<br>MTH 0303 |
| 0201 | Jacob Bedrossian<br>MWF 12:00pm - 12:50pm       | Seats (Total: 30)<br>MTH 0405 |
| 0301 | Tobias von Petersdorff<br>MWF 2:00pm - 2:50pm   | Seats (Total: 29)<br>MTH 0411 |
| 0401 | Juan Pablo Borthagaray<br>MWF 11:00am - 11:50am | Seats (Total: 27)<br>MTH 0102 |

#### **CMSC466**

#### **Introduction to Numerical Analysis I**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: MATH240 and MATH241; and (CMSC106 or CMSC131); and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Also offered as: AMSC466. Credit only granted for: AMSC460, AMSC466, CMSC460, or CMSC466.*

*Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Dionisios Margetis<br>MWF 9:00am - 9:50am | Seats (Total: 30)<br>MTH 0303 |
|------|---|-------------------------------|

#### **CMSC474**

#### **Introduction to Computational Game Theory**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Credit only granted for: CMSC474, ECON414, GVPT390 or GVPT399A.*

*Game theory deals with interactions among agents (either human or computerized) whose objectives and preferences may differ from the objectives and preferences of the other agents. It will also provide a comprehensive introduction to game theory, concentrating on its computational aspects.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Mohammad Hajiaghayi | Seats (Total: 50) |
|      | MW 2:00pm - 3:15pm  | CSI 3117          |

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**CMSC498A      Selected Topics in Computer Science**

(Perm req)

Credits: 1-3      Grading Method: Regular

*An individualized course designed to allow a student or students to pursue a selected topic not taught as a part of the regular course offerings under the supervision of a Computer Science faculty member. In addition, courses dealing with topics of special interest and/or new emerging areas of computer science will be offered with this number. Selected topics courses will be structured very much like a regular course with homework, project and exams. Credit according to work completed*

**Contact department for information to register for this course.**

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**CMSC498C      Selected Topics in Computer Science; Randomized Algorithms**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*An individualized course designed to allow a student or students to pursue a selected topic not taught as a part of the regular course offerings under the supervision of a Computer Science faculty member. In addition, courses dealing with topics of special interest and/or new emerging areas of computer science will be offered with this number. Selected topics courses will be structured very much like a regular course with homework, project and exams. Credit according to work completed*

Prerequisite: Minimum grade of C- in CMSC330 and CMSC351; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | David Harris         | Seats (Total: 40) |
|      | TuTh 5:00pm - 6:15pm | CSI 1121          |

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**CMSC498E      Selected Topics in Computer Science; Computer Systems Security**

(Perm req)

Credits: 3      Grading Method: Regular

*An individualized course designed to allow a student or students to pursue a selected topic not taught as a part of the regular course offerings under the supervision of a Computer Science faculty member. In addition, courses dealing with topics of special interest and/or new emerging areas of computer science will be offered with this number. Selected topics courses will be structured very much like a regular course with homework, project and exams. Credit according to work completed*

Restriction: Permission of department. Theoretical and practical aspects of computer systems security. Topics covered include symmetric/asymmetric encryption, message authentication, digital signatures, access control, as well as network security, web security and cloud security. Students acquire tools necessary for designing secure computer systems and programs and for defending against malicious threats (e.g., viruses, worms, denial of service).

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Dana Dachman-Soled   | Seats (Total: 10) |
|      | MW 11:00am - 12:15pm | EGR 1108          |

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### **CMSC498V      Selected Topics in Computer Science; Advanced Functional Programming**

(Perm req)

Credits: 3                      Grading Method: Regular

*An individualized course designed to allow a student or students to pursue a selected topic not taught as a part of the regular course offerings under the supervision of a Computer Science faculty member. In addition, courses dealing with topics of special interest and/or new emerging areas of computer science will be offered with this number. Selected topics courses will be structured very much like a regular course with homework, project and exams. Credit according to work completed*

Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Niki Vazou            | Seats (Total: 40) |
|      | TuTh 9:30am - 10:45am | CSI 2120          |

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### **CMSC499A      Independent Undergraduate Research**

(Perm req)

Credits: 1-3                      Grading Method: Regular

*Students are provided with an opportunity to participate in a computer science research project under the guidance of a faculty advisor. Format varies. Students and supervising faculty member will agree to a research plan which must be approved by the department. As part of each research plan, students should produce a final paper delineating their contribution to the field.*

**Contact department for information to register for this course.**

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### **CMSC631      Program Analysis and Understanding**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: CMSC330; or students who have taken courses with comparable content may contact the department; or permission of instructor.*

*Techniques for static analysis of source code and modern programming paradigms. Analysis techniques: data flow analysis, program dependence graphs, program slicing, abstract interpretation. The meaning of programs: denotational semantics, partial evaluation. Advanced treatment of abstraction mechanisms: polymorphic types, operation overloading, inheritance, object-oriented programming and ML-like programming languages.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Michael Hicks        | Seats (Total: 30) |
|      | TuTh 3:30pm - 4:45pm | CSI 2107          |

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## **CMSC641 Principles of Data Science**

Credits: 3                      Grading Method: Regular

*Restriction: Must be in the Data Science Post-Baccalaureate Certificate of Professional Studies program; and permission of CMNS-Computer Science department.*

*An introduction to the data science pipeline, i.e., the end-to-end process of going from unstructured, messy data to knowledge and actionable insights. Provides a broad overview of what data science means and systems and tools commonly used for data science, and illustrates the principles of data science through several case studies.*

|      |  |                   |
|------|--|-------------------|
| PCD1 | Amol Deshpande   | Seats (Total: 40) |
|      | W 7:00pm - 9:30pm  | CSI 3120          |
|      | <i>Restricted to students in the Graduate Certificate in Professional Studies in Data Science.</i> |                   |

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## **CMSC643 Machine Learning and Data Mining**

Credits: 3                      Grading Method: Regular

*Restriction: Must be in the Data Science Post-Baccalaureate Certificate of Professional Studies program; and permission of CMNS-Computer Science department.*

*Provides a broad overview of key machine learning and data mining algorithms, and how to apply those to very large datasets. Topics covered include decision trees, linear models for classification and regression, support vector machines, neural networks and deep learning, online learning, recommendation systems, clustering and dimensionality reduction, and systems for large-scale machine learning.*

|      |  |                   |
|------|--|-------------------|
| PCD1 | Hector Corrada Bravo   | Seats (Total: 40) |
|      | Tu 7:00pm - 9:30pm   | CSI 2120          |
|      | <i>Restricted to students in the Graduate Certificate in Professional Studies in Data Science.</i> |                   |

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**CMSC652****Complexity Theory**

Credits: 3                      Grading Method: Regular

*Prerequisite: CMSC451 or CMSC452; or permission of instructor. Credit only granted for: CMSC652 or CMSC858G. Formerly: CMSC858G.*

*This course will define what it means for a problem to be hard (or easy in a variety of ways. The emphasis will be on natural problems. Topics may include NP-completeness, Sparse Sets, Graph Isomorphism (why it is thought to not be NP-complete), Counting problems, and approximation problems.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Xiaodi Wu            | Seats (Total: 25) |
|      | TuTh 2:00pm - 3:15pm | CSI 2120          |

**CMSC660****Scientific Computing I**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: Must have knowledge of C or Fortran. And CMSC466, AMSC466, AMSC460, or CMSC460; or (must have knowledge of basic numerical analysis (linear equations, nonlinear equations, integration, interpolation); and permission of instructor). Also offered as: AMSC660. Credit only granted for: AMSC660 or CMSC660.*

*Monte Carlo simulation, numerical linear algebra, nonlinear systems and continuation method, optimization, ordinary differential equations. Fundamental techniques in scientific computation with an introduction to the theory and software for each topic.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Jacob Bedrossian     | Seats (Total: 28) |
|      | TuTh 2:00pm - 3:15pm | MTH B0425         |

**CMSC663****Advanced Scientific Computing I**

Credits: 3                      Grading Method: Regular

*Also offered as: AMSC663. Credit only granted for: AMSC663 or CMSC663.*

*In the sequence CMSC663, CMSC664 students work on a year-long individual project to develop software for a scientific task in a high performance computing environment. Lectures will be given on available computational environments, code development, implementation of parallel algorithms.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Howard Elman          | Seats (Total: 20) |
|      | TuTh 9:30am - 10:45am | PHY 4222          |

**CMSC666****Numerical Analysis I**



Credits: 3      Grading Method: Regular, Audit

*Prerequisite: CMSC466 or AMSC466; and MATH410. Also offered as: AMSC666. Credit only granted for: AMSC666 or CMSC666.*

*Interpolation and approximation, numerical integration, solution algorithms for nonlinear systems of equations, numerical optimization.*

*Click here for more course information.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Eitan Tadmor         | Seats (Total: 25) |
|      | TuTh 2:00pm - 3:15pm | CSI 4122          |

## CMSC723 Computational Linguistics I

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: CMSC421; or students who have taken courses with comparable content may contact the department; or permission of instructor. Also offered as: LING723, INST735. Credit only granted for: CMSC723, LING723, or INST735. Additional information: May only receive PhD Comp. credit for CMSC723 or CMSC823, not both.*

*Fundamental methods in natural language processing. Topics include: finite-state methods, context-free and extended context-free models of syntax; parsing and semantics interpretation; n-gram and Hidden Markov models, part-of-speech tagging; natural language applications such as machine translation, automatic summarization, and question answering.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Marine Carpuat       | Seats (Total: 45) |
|      | TuTh 2:00pm - 3:15pm | CSI 1121          |

## CMSC725 Geographical Information Systems and Spatial Databases

Credits: 3      Grading Method: Regular

*Prerequisite: CMSC424 and CMSC420; or permission of instructor.*

*Topics in geographic information systems and spatial databases. Integrates related results from databases, cartography, geography, computer graphics, file access methods, computational geometry, image processing, data structures, and programming languages. Topics include: cartographic modeling, principles of cartography, methods from computational geometry, principles of spatial databases, access methods, and spatial data structures. The architecture of some existing spatial databases and geographic information systems will be examined in greater detail.*

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|------|-----------------------|-------------------|
| 0101 | Hanan Samet           | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | CSI 3118          |

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**CMSC726      Machine Learning**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: CMSC421; or students who have taken courses with comparable content may contact the department; or permission of instructor.*

*An introduction to modern statistical data analysis using machine learning techniques. The course quickly surveys elementary statistical models (decision trees, nearest neighbors and linear regression) and moves on to more complex algorithms such as support vector machines, boosting, neural networks, structured prediction, apprenticeship learning, online learning, bandits, recommender systems and reinforcement learning. Throughout an emphasis is placed on mathematical rigor.*

|      |                         |                   |
|------|-------------------------|-------------------|
| 0101 | Jordan Boyd-Graber Ying | Seats (Total: 60) |
|      | MW 3:30pm - 4:45pm      | ESJ 2212          |

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**CMSC737      Fundamentals of Software Testing**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: CMSC435; or students who have taken courses with comparable content may contact the department; or permission of instructor. Formerly: CMSC838M.*

*Examine fundamental software testing and related program analysis techniques. In particular, the important phases of testing will be reviewed, emphasizing the significance of each phase when testing different types of software. Concepts include: test generation, oracles, prioritization and coverage, regression and mutation testing, and program analysis.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Atif Memon            | Seats (Total: 25) |
|      | TuTh 9:30am - 10:45am | CSI 2107          |

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**CMSC740      Advanced Computer Graphics**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: MATH240 and CMSC420; or permission of instructor.*

*An introduction to the principles of computer graphics. Includes an introduction to graphics displays and systems, introduction to the mathematics of affine and projective transformations, perspective, curve and surface modeling, algorithms for hidden-surface removal, color models, methods for modeling illumination, shading, and reflection.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Matthias Zwicker     | Seats (Total: 28) |
|      | TuTh 3:30pm - 4:45pm | CSI 3118          |

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**CMSC763      Advanced Linear Numerical Analysis**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: AMSC666 or CMSC666; or permission of instructor. Also offered as: AMSC763. Credit only granted for: AMSC600, CMSC760, AMSC763, or CMSC763.. Formerly: CMSC760.*

*Advanced topics in numerical linear algebra, such as dense eigenvalue problems, sparse elimination, iterative methods, and other topics.*

Also offered as AMSC763. Credit granted for CMSC763 or AMSC763.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Howard Elman         | Seats (Total: 20) |
|      | TuTh 2:00pm - 3:15pm | CSI 3120          |

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**CMSC798      Graduate Seminar in Computer Science**

(Perm req)      Credits: 1-3      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**CMSC798A      Graduate Seminar in Computer Science**

(Perm req)      Credits: 1-3      Grading Method: Regular,  
Audit

CMSC majors only. Other majors require permission of department.

**Contact department for information to register for this course.**

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**CMSC798E      Graduate Seminar in Computer Science**

Credits: 1      Grading Method: Regular,  
Audit

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Hector Corrada Bravo | Seats (Total: 40) |
|      | F 11:00am - 12:50pm  | CSI 2117          |

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**CMSC799      Master's Thesis Research**

(Perm req)      Credits: 1-6      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**CMSC818A      Advanced Topics in Computer Systems; Advanced Topics in Computer Systems**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

*Advanced topics selected by the faculty from the literature of computer systems to suit the interest and background of students.*

**Contact department for information to register for this course.**

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**CMSC818E      Advanced Topics in Computer Systems; Distributed and Cloud-Based Storage Systems**

Credits: 3      Grading Method: Regular,  
Audit

*Advanced topics selected by the faculty from the literature of computer systems to suit the interest and background of students.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Peter Keleher        | Seats (Total: 20) |
|      | TuTh 2:00pm - 3:15pm | CSI 3118          |

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**CMSC818O      Advanced Topics in Computer Systems; Computer and Network Security**

Credits: 3      Grading Method: Regular

*Advanced topics selected by the faculty from the literature of computer systems to suit the interest and background of students.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | David Levin            | Seats (Total: 25) |
|      | TuTh 11:00am - 12:15pm | AVW 4172          |

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**CMSC828A      Advanced Topics in Information Processing**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

*Advanced topics selected by the faculty from the literature of information processing to suit the interest and background of students.*

**Contact department for information to register for this course.**

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**CMSC828C      Advanced Topics in Information Processing**

Credits: 1-3      Grading Method: Regular,  
Audit

*Advanced topics selected by the faculty from the literature of information processing to suit the interest and background of students.*

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|------|----------------------|-------------------|
| 0101 | Ramalingam Chellappa | Seats (Total: 75) |
|      | MW 11:00am - 12:15pm | ATL 1113          |

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**CMSC828E      Advanced Topics in Information Processing; From Data to Insights**

Credits: 3                      Grading Method: Regular,  
   Audit

*Advanced topics selected by the faculty from the literature of information processing to suit the interest and background of students.*

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|------|------------------------|-------------------|
| 0101 | Vanessa Frias-Martinez | Seats (Total: 30) |
|      | Tu 2:00pm - 4:45pm     | HBK 0123          |

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**CMSC828N      Advanced Topics in Information Processing; Database System Architecture and Implementation**

Credits: 3                      Grading Method: Regular,  
   Audit

*Advanced topics selected by the faculty from the literature of information processing to suit the interest and background of students.*

Prerequisite: CMSC424; or students who have taken courses with comparable content may contact the department; or permission of instructor.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Daniel Abadi       | Seats (Total: 20) |
|      | MW 2:00pm - 3:15pm | AVW 3258          |

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**CMSC828O      Advanced Topics in Information Processing; Computational and Mathematical Analysis of Biological Networks across Scales**

Credits: 3                      Grading Method: Regular,  
   Audit

*Advanced topics selected by the faculty from the literature of information processing to suit the interest and background of students.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Hector Corrada Bravo  | Seats (Total: 25) |
|      | TuTh 9:30am - 10:45am | CSI 1122          |

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**CMSC828P      Advanced Topics in Information Processing; Algorithms and Machine Learning for Analyzing Mutations in Cancer**

Credits: 3                      Grading Method: Regular,  
   Audit

*Advanced topics selected by the faculty from the literature of information processing to suit the interest and background of students.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Max Leiserson          | Seats (Total: 25) |
|      | TuTh 11:00am - 12:15pm | CSI 3118          |

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**CMSC828R      Advanced Topics in Information Processing; Machine Learning: Spectral Methods and Reinforcement Learning**

Credits: 3                      Grading Method: Regular

*Advanced topics selected by the faculty from the literature of information processing to suit the interest and background of students.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Furong Huang          | Seats (Total: 25) |
|      | TuTh 12:30pm - 1:45pm | CSI 2120          |

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**CMSC828T      Advanced Topics in Information Processing; Vision, Planning and Control in Aerial Robotics**

Credits: 3                      Grading Method: Regular,  
Audit

*Advanced topics selected by the faculty from the literature of information processing to suit the interest and background of students.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | John Aloimonos        | Seats (Total: 45) |
|      | TuTh 12:30pm - 1:45pm | CSI 2107          |

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**CMSC838A      Advanced Topics in Programming Languages**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Audit

*Advanced topics selected by faculty from the literature of programming languages to suit the interest and background of students.*

**Contact department for information to register for this course.**

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**CMSC858A      Advanced Topics in Theory of Computing**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Audit

*Advanced topics selected by the faculty from the literature of theory of computing to suit the interest and background of students.*

**Contact department for information to register for this course.**

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## CMSC858K      Advanced Topics in Theory of Computing; Introduction to Quantum Information Processing

Credits: 3      Grading Method: Regular, Audit

*Advanced topics selected by the faculty from the literature of theory of computing to suit the interest and background of students.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Andrew Childs         | Seats (Total: 40) |
|      | TuTh 12:30pm - 1:45pm | CSI 3120          |

## CMSC878A      Advanced Topics in Numerical Methods

(Perm req)

Credits: 1-3      Grading Method: Regular, Audit

*Advanced topics selected by the faculty from the literature of numerical methods to suit the interest and background of students.*

**Contact department for information to register for this course.**

## CMSC898 Pre-Candidacy Research

Credits: 1-8      Grading Method: Regular, Satisfail

*Prerequisite: permission of instructor. Advanced topics selected by the faculty from the literature of applications of computer science to suit the interest and background of students. May be repeated for credit.*

**Contact department for information to register for this course.**

## CMSC899      Doctoral Dissertation Research

(Perm req)

Credits: 6      Grading Method: Regular, Satisfail

**Contact department for information to register for this course.**

**COMM    Communication**

**COMM107      Oral Communication: Principles and Practices**

|            |                                       |                         |
|------------|---------------------------------------|-------------------------|
| Credits: 3 | Grading Method: Regular,<br>Pass-Fail | General Education: FSOC |
|------------|---------------------------------------|-------------------------|

*Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130 or THET285.*

*A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches.*

Attendance on the first day of classes is mandatory.

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Skye de Saint Felix<br>MWF 8:00am - 8:50am | Seats (Total: 19)<br>SKN 0104 |
| 0201 | Neha Kamran<br>MWF 8:00am - 8:50am         | Seats (Total: 19)<br>SKN 1112 |
| 0301 | Victoria Ledford<br>MWF 8:00am - 8:50am    | Seats (Total: 19)<br>SKN 1115 |
| 0401 | Sarah Aghazadeh<br>MWF 8:00am - 8:50am     | Seats (Total: 19)<br>PLS 1176 |
| 0501 | Joshua Wood<br>MWF 8:00am - 8:50am         | Seats (Total: 19)<br>PLS 1180 |
| 1001 | Jon Hoffman<br>TuTh 2:00pm - 3:15pm        | Seats (Total: 19)<br>BPS 1232 |
| 1101 | Skye de Saint Felix<br>MWF 9:00am - 9:50am | Seats (Total: 19)<br>SKN 0104 |
| 1201 | Neha Kamran<br>MWF 9:00am - 9:50am         | Seats (Total: 19)<br>SKN 1112 |
| 1301 | Victoria Ledford<br>MWF 9:00am - 9:50am    | Seats (Total: 19)<br>SKN 1115 |
| 1401 | Sarah Aghazadeh<br>MWF 9:00am - 9:50am     | Seats (Total: 19)<br>PLS 1176 |
| 1501 | Joshua Wood<br>MWF 9:00am - 9:50am         | Seats (Total: 19)<br>PLS 1180 |
| 2001 | Jon Hoffman<br>TuTh 11:00am - 12:15pm      | Seats (Total: 19)<br>TLF 1103 |
| 2101 | Thomas McCloskey<br>MWF 9:00am - 9:50am    | Seats (Total: 19)<br>TLF 1103 |
| 2301 | Daniel Foster<br>MWF 10:00am - 10:50am     | Seats (Total: 19)<br>SKN 0104 |



|      |   |                               |
|------|---|-------------------------------|
| 2401 | Junqiao Chen<br>MWF 10:00am - 10:50am     | Seats (Total: 19)<br>SKN 1112 |
| 2501 | Rodney Schwartz<br>MWF 10:00am - 10:50am  | Seats (Total: 19)<br>SKN 1115 |
| 2601 | Alex Thomas<br>MWF 10:00am - 10:50am      | Seats (Total: 19)<br>ARC 1123 |
| 2701 | Cassondra Pope<br>MWF 10:00am - 10:50am   | Seats (Total: 19)<br>PLS 1180 |
| 2801 | Gareth Williams<br>MWF 10:00am - 10:50am  | Seats (Total: 19)<br>PLS 1184 |
| 2901 | Jim Golden<br>MWF 10:00am - 10:50am       | Seats (Total: 19)<br>ARC 1125 |
| 3101 | Thomas McCloskey<br>MWF 10:00am - 10:50am | Seats (Total: 19)<br>KEY 0119 |
| 3301 | Daniel Foster<br>MWF 11:00am - 11:50am    | Seats (Total: 19)<br>SKN 0104 |
| 3401 | Junqiao Chen<br>MWF 11:00am - 11:50am     | Seats (Total: 19)<br>SKN 1112 |
| 3501 | Rodney Schwartz<br>MWF 11:00am - 11:50am  | Seats (Total: 19)<br>SKN 1115 |
| 3601 | Alex Thomas<br>MWF 11:00am - 11:50am      | Seats (Total: 19)<br>ARC 1123 |
| 3701 | Yan Qin<br>MWF 11:00am - 11:50am          | Seats (Total: 19)<br>PLS 1180 |
| 3801 | Mollie Kaufer<br>MWF 11:00am - 11:50am    | Seats (Total: 19)<br>PLS 1184 |
| 3901 | Jim Golden<br>MWF 11:00am - 11:50am       | Seats (Total: 19)<br>ARC 1125 |

|      |   |                               |
|------|---|-------------------------------|
| 4001 | Joshua Wood<br>MWF 11:00am - 11:50am      | Seats (Total: 19)<br>TWS 1320 |
| 4101 | Thomas McCloskey<br>MWF 11:00am - 11:50am | Seats (Total: 19)<br>JMZ 0205 |
| 4301 | Daniel Foster<br>MWF 1:00pm - 1:50pm      | Seats (Total: 19)<br>SKN 1112 |
| 4401 | Rodney Schwartz<br>MWF 1:00pm - 1:50pm    | Seats (Total: 19)<br>PLS 1176 |
| 4501 | Gareth Williams<br>MWF 1:00pm - 1:50pm    | Seats (Total: 19)<br>WDS 1127 |
| 4601 | Sumin Fang<br>MWF 1:00pm - 1:50pm         | Seats (Total: 19)<br>SQH 1111 |
| 4701 | Thomas McCloskey<br>MWF 1:00pm - 1:50pm   | Seats (Total: 19)<br>KEY 0123 |
| 4801 | Anne Smithson<br>MWF 1:00pm - 1:50pm      | Seats (Total: 19)<br>SQH 1123 |
| 4901 | Daniel Foster<br>MWF 2:00pm - 2:50pm      | Seats (Total: 19)<br>SKN 1112 |
| 5001 | Rodney Schwartz<br>MWF 2:00pm - 2:50pm    | Seats (Total: 19)<br>PLS 1176 |
| 5101 | Gareth Williams<br>MWF 2:00pm - 2:50pm    | Seats (Total: 19)<br>WDS 1127 |
| 5201 | Sumin Fang<br>MWF 2:00pm - 2:50pm         | Seats (Total: 19)<br>SQH 1111 |
| 5401 | Anne Smithson<br>MWF 2:00pm - 2:50pm      | Seats (Total: 19)<br>SQH 1123 |
| 5601 | Brooke Fowler<br>MW 2:00pm - 3:15pm       | Seats (Total: 19)<br>ASY 3221 |

|      |   |                               |
|------|---|-------------------------------|
| 5701 | Raphael Mazzone<br>MW 2:00pm - 3:15pm         | Seats (Total: 19)<br>PLS 1180 |
| 5801 | Kimberley Hannah-Prater<br>MW 2:00pm - 3:15pm | Seats (Total: 19)<br>PLS 1184 |
| 5901 | Jim Golden<br>MW 2:00pm - 3:15pm              | Seats (Total: 19)<br>JMZ 1103 |
| 6101 | Brooke Fowler<br>MW 3:30pm - 4:45pm           | Seats (Total: 19)<br>ASY 3221 |
| 6201 | David Payne<br>MW 3:30pm - 4:45pm             | Seats (Total: 19)<br>PLS 1180 |
| 6301 | Skye de Saint Felix<br>MW 3:30pm - 4:45pm     | Seats (Total: 19)<br>PLS 1184 |
| 6401 | Jim Golden<br>MW 3:30pm - 4:45pm              | Seats (Total: 19)<br>JMZ 1103 |
| 6501 | Daniel Foster<br>MW 3:30pm - 4:45pm           | Seats (Total: 19)<br>HBK 0108 |
| 6601 | Tori Mends-Cole<br>MW 5:00pm - 6:15pm         | Seats (Total: 19)<br>SKN 0104 |
| 6701 | Jim Golden<br>MW 5:00pm - 6:15pm              | Seats (Total: 19)<br>SKN 1112 |
| 6801 | Mark Fernando<br>MW 5:00pm - 6:15pm           | Seats (Total: 19)<br>SKN 1115 |
| 6901 | Rodney Schwartz<br>MW 5:00pm - 6:15pm         | Seats (Total: 19)<br>PLS 1176 |
| 7101 | Tori Mends-Cole<br>MW 6:30pm - 7:45pm         | Seats (Total: 19)<br>SKN 0104 |
| 7201 | Julie Gowin<br>MW 6:30pm - 7:45pm             | Seats (Total: 19)<br>PLS 1180 |

|      |  |                               |
|------|--|-------------------------------|
| 7301 | Lingyan Ma<br>TuTh 8:00am - 9:15am         | Seats (Total: 19)<br>PLS 1176 |
| 7401 | Christopher Swift<br>TuTh 8:00am - 9:15am  | Seats (Total: 19)<br>PLS 1180 |
| 7501 | Misti Yang<br>TuTh 8:00am - 9:15am         | Seats (Total: 19)<br>PLS 1184 |
| 7601 | Naette Lee<br>TuTh 8:00am - 9:15am         | Seats (Total: 19)<br>PLS 1164 |
| 7701 | Morgan Hess<br>TuTh 8:00am - 9:15am        | Seats (Total: 19)<br>WDS 1131 |
| 7801 | Rebecca Alt<br>TuTh 8:00am - 9:15am        | Seats (Total: 19)<br>PLS 1162 |
| 7901 | Joshua Wood<br>TuTh 8:00am - 9:15am        | Seats (Total: 19)<br>WDS 0104 |
| 8101 | Lingyan Ma<br>TuTh 9:30am - 10:45am        | Seats (Total: 19)<br>PLS 1176 |
| 8201 | Christopher Swift<br>TuTh 9:30am - 10:45am | Seats (Total: 19)<br>PLS 1180 |
| 8301 | Misti Yang<br>TuTh 9:30am - 10:45am        | Seats (Total: 19)<br>PLS 1184 |
| 8401 | Naette Lee<br>TuTh 9:30am - 10:45am        | Seats (Total: 19)<br>PLS 1164 |
| 8501 | Morgan Hess<br>TuTh 9:30am - 10:45am       | Seats (Total: 19)<br>WDS 1131 |
| 8601 | Karen Lamb<br>TuTh 9:30am - 10:45am        | Seats (Total: 19)<br>PLS 1162 |
| 8701 | Alyson Farzad<br>TuTh 9:30am - 10:45am     | Seats (Total: 19)<br>WDS 0104 |

|      |  |                               |
|------|--|-------------------------------|
| 8801 | Tyler Page<br>TuTh 9:30am - 10:45am      | Seats (Total: 19)<br>ARC 1123 |
| 8901 | Karen Lamb<br>TuTh 11:00am - 12:15pm     | Seats (Total: 19)<br>PLS 1176 |
| 9001 | Marlene Cohen<br>TuTh 11:00am - 12:15pm  | Seats (Total: 19)<br>PLS 1180 |
| 9101 | Joshua Wood<br>TuTh 11:00am - 12:15pm    | Seats (Total: 19)<br>ARC 1123 |
| 9201 | Tyler Page<br>TuTh 11:00am - 12:15pm     | Seats (Total: 19)<br>SKN 1115 |
| 9301 | Sabeen Sheikh<br>TuTh 11:00am - 12:15pm  | Seats (Total: 19)<br>PLS 1164 |
| 9401 | Alyson Farzad<br>TuTh 11:00am - 12:15pm  | Seats (Total: 19)<br>JMZ 0118 |
| 9501 | Samuel Rubin<br>TuTh 11:00am - 12:15pm   | Seats (Total: 19)<br>JMZ 1103 |
| 9601 | Karen Lamb<br>TuTh 12:30pm - 1:45pm      | Seats (Total: 19)<br>PLS 1176 |
| 9701 | Marlene Cohen<br>TuTh 12:30pm - 1:45pm   | Seats (Total: 19)<br>PLS 1180 |
| 9801 | Joshua Wood<br>TuTh 12:30pm - 1:45pm     | Seats (Total: 19)<br>ARC 1123 |
| 9901 | Allison Chatham<br>TuTh 12:30pm - 1:45pm | Seats (Total: 19)<br>WDS 0104 |
| 9902 | Sabeen Sheikh<br>TuTh 12:30pm - 1:45pm   | Seats (Total: 19)<br>PLS 1164 |

|      |   |                               |
|------|---|-------------------------------|
| 9903 | Alyson Farzad<br>TuTh 12:30pm - 1:45pm<br><br><i>This section of COMM 107 explores the fundamentals of oral communication within the context of community engagement. Students will apply course content to community-based projects.</i> | Seats (Total: 19)<br>JMZ 0118 |
| 9904 | Randall Fowler<br>TuTh 12:30pm - 1:45pm   | Seats (Total: 19)<br>JMZ 1103 |
| 9905 | Jade Olson<br>TuTh 2:00pm - 3:15pm  | Seats (Total: 19)<br>SKN 0104 |
| 9906 | Samuel Rubin<br>TuTh 2:00pm - 3:15pm  | Seats (Total: 19)<br>PLS 1180 |
| 9907 | Sifan Xu<br>TuTh 2:00pm - 3:15pm  | Seats (Total: 19)<br>PLS 1184 |
| 9908 | L Gordon<br>TuTh 2:00pm - 3:15pm  | Seats (Total: 19)<br>WDS 1131 |
| 9909 | Mollie Kaufer, Ning Xie<br>TuTh 2:00pm - 3:15pm   | Seats (Total: 19)<br>ARC 1125 |
| 9910 | Randall Fowler<br>TuTh 2:00pm - 3:15pm  | Seats (Total: 19)<br>JMZ 3203 |
| 9911 | Karen Lamb<br>TuTh 3:30pm - 4:45pm  | Seats (Total: 19)<br>SKN 0104 |
| 9912 | Samuel Rubin<br>TuTh 3:30pm - 4:45pm  | Seats (Total: 19)<br>PLS 1180 |
| 9913 | Christina Saninocencio<br>TuTh 3:30pm - 4:45pm  | Seats (Total: 19)<br>PLS 1184 |
| 9914 | L Gordon<br>TuTh 3:30pm - 4:45pm  | Seats (Total: 19)<br>WDS 1131 |
| 9915 | Ning Xie, Cassandra Pope<br>TuTh 3:30pm - 4:45pm  | Seats (Total: 19)<br>ARC 1125 |

|      |  |                               |
|------|--|-------------------------------|
| 9916 | Samantha Stanley<br>TuTh 3:30pm - 4:45pm   | Seats (Total: 19)<br>JMZ 3203 |
| 9917 | David Payne<br>TuTh 5:00pm - 6:15pm  | Seats (Total: 19)<br>PLS 1164 |
| 9918 | Samuel Rubin<br>TuTh 5:00pm - 6:15pm   | Seats (Total: 19)<br>PLS 1180 |
| 9919 | Tori Mends-Cole<br>TuTh 5:00pm - 6:15pm  | Seats (Total: 19)<br>PLS 1184 |
| 9922 | Paula Nadler<br>TuTh 5:00pm - 6:15pm   | Seats (Total: 19)<br>KEY 0103 |
| 9923 | L Gordon<br>TuTh 6:30pm - 7:45pm   | Seats (Total: 19)<br>PLS 1164 |
| 9924 | Samuel Rubin<br>TuTh 6:30pm - 7:45pm   | Seats (Total: 19)<br>PLS 1180 |
| 9925 | Tori Mends-Cole<br>TuTh 6:30pm - 7:45pm  | Seats (Total: 19)<br>PLS 1184 |
| 9926 | William Howell<br>TuTh 6:30pm - 7:45pm   | Seats (Total: 19)<br>KEY 0102 |
| FC01 | Cassondra Pope<br>MW 3:00pm - 4:15pm<br><br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 19)<br>JMZ 3203 |
| FC02 | Marlene Cohen<br>TuTh 4:30pm - 5:45pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 19)<br>SQH 1117 |
| FC03 | Sue Sherburne<br>TuTh 6:00pm - 7:15pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 19)<br>SKN 1112 |

|      |  |                               |
|------|--|-------------------------------|
| FC04 | Gerry Strumpf<br>MW 4:30pm - 5:45pm<br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 19)<br>ASY 3203 |
| FC05 | Paula Nadler<br>MW 6:00pm - 7:15pm<br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 19)<br>WDS 1131 |

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## COMM200 Critical Thinking and Speaking

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO      General Education: FSOC

*Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130, OR THET285.*

*Theory and practice of persuasive discourse analysis and composition. Research techniques, logical and rhetorical conceptions of argument, and technical principles for persuading in public venues.*

Attendance on the first day of classes is mandatory.

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Meridith Styer<br>TuTh 12:30pm - 1:45pm | Seats (Total: 19)<br>PLS 1162 |
| 0201 | Annie Nichols<br>TuTh 8:00am - 9:15am   | Seats (Total: 19)<br>SKN 0104 |
| 0301 | Meridith Styer<br>TuTh 9:30am - 10:45am | Seats (Total: 19)<br>PLS 1146 |
| 0401 | Annie Nichols<br>TuTh 9:30am - 10:45am  | Seats (Total: 19)<br>SKN 0104 |
| 0501 | Annie Nichols<br>TuTh 3:30pm - 4:45pm   | Seats (Total: 19)<br>SKN 1115 |

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## COMM201 Introduction to Public Relations

Credits: 3      Grading Method: Regular

*Basic concepts and principles of public relations. Roles in organizations and society; history; skills and practices of public relations; theories and models of effective and ethical public relations.*

Restricted to COMM majors (1506A) only.



|      |  |   |            |
|------|--|---|------------|
| 0101 | Erich Sommerfeldt<br>MW 2:00pm - 2:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 20)<br>SKN 0200<br>PLS 1180 | Discussion |
| 0102 | Erich Sommerfeldt<br>MW 2:00pm - 2:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 20)<br>SKN 0200<br>WDS 1130 | Discussion |
| 0103 | Erich Sommerfeldt<br>MW 2:00pm - 2:50pm<br>F 2:00pm - 2:50pm | Seats (Total: 20)<br>SKN 0200<br>PLS 1180 | Discussion |
| 0104 | Erich Sommerfeldt<br>MW 2:00pm - 2:50pm<br>F 2:00pm - 2:50pm | Seats (Total: 20)<br>SKN 0200<br>WDS 1130 | Discussion |
| 0105 | Erich Sommerfeldt<br>MW 2:00pm - 2:50pm<br>F 3:00pm - 3:50pm | Seats (Total: 20)<br>SKN 0200<br>PLS 1180 | Discussion |
| 0106 | Erich Sommerfeldt<br>MW 2:00pm - 2:50pm<br>F 3:00pm - 3:50pm | Seats (Total: 20)<br>SKN 0200<br>WDS 1130 | Discussion |

## COMM230

### Argumentation and Debate

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*A study of the fundamental principles of reasoning, analysis, and evidence preparation of debate briefs and presentation of standard academic debate.*

Attendance on the first day of class is mandatory.

|      |                                      |                               |
|------|--------------------------------------|-------------------------------|
| 0101 | Nora Murphy<br>TuTh 8:00am - 9:15am  | Seats (Total: 24)<br>LEF 1171 |
| 0201 | Nora Murphy<br>TuTh 9:30am - 10:45am | Seats (Total: 24)<br>LEF 1171 |
| 0301 | Jade Olson<br>TuTh 11:00am - 12:15pm | Seats (Total: 24)<br>PLS 1184 |

|      |                       |                   |
|------|-----------------------|-------------------|
| 0401 | Morgan Hess           | Seats (Total: 24) |
|      | TuTh 12:30pm - 1:45pm | PLS 1184          |

## COMM250

### Introduction to Communication Inquiry

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*An introduction to the field of communication. Definitions, models, and contexts of communication; rhetorical theory and rhetorical criticism of discourse.*

|      |                            |                          |
|------|----------------------------|--------------------------|
| 0101 | Susan Hubbard              | Seats (Total: 28)        |
|      | MW 11:00am - 11:50am       | SKN 0200                 |
|      | Class time/details on ELMs | ONLINE                   |
|      | F 9:00am - 9:50am          | EDU 3233      Discussion |
| 0102 | Susan Hubbard              | Seats (Total: 28)        |
|      | MW 11:00am - 11:50am       | SKN 0200                 |
|      | Class time/details on ELMs | ONLINE                   |
|      | F 10:00am - 10:50am        | EDU 3233      Discussion |
| 0103 | Susan Hubbard              | Seats (Total: 28)        |
|      | MW 11:00am - 11:50am       | SKN 0200                 |
|      | Class time/details on ELMs | ONLINE                   |
|      | F 11:00am - 11:50am        | EDU 3233      Discussion |
| 0105 | Susan Hubbard              | Seats (Total: 28)        |
|      | MW 11:00am - 11:50am       | SKN 0200                 |
|      | Class time/details on ELMs | ONLINE                   |
|      | F 10:00am - 10:50am        | SQH 1101      Discussion |
| 0106 | Susan Hubbard              | Seats (Total: 28)        |
|      | MW 11:00am - 11:50am       | SKN 0200                 |
|      | Class time/details on ELMs | ONLINE                   |
|      | F 11:00am - 11:50am        | SQH 1101      Discussion |
| 0109 | Susan Hubbard              | Seats (Total: 28)        |
|      | MW 11:00am - 11:50am       | SKN 0200                 |
|      | Class time/details on ELMs | ONLINE                   |
|      | F 11:00am - 11:50am        | SQH 1107      Discussion |

## COMM269B

### Special Topics in Study Abroad II; Oral Communication for Leaders in the Business World

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**COMM269C      Special Topics in Study Abroad II; Communication and Campaign Management**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**COMM269M      Special Topics in Study Abroad II; Media Technology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**COMM269P      Special Topics in Study Abroad II; Principles of Film and Media Production**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**COMM269R      Special Topics in Study Abroad II; Introduction to Public Relations**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**COMM288      Communication Internship**

(Perm req)                      Credits: 1-6                      Grading Method: Regular,  
Pass-Fail, Audit

*An individual experience arranged by the student with the instructor. Does not satisfy communication major requirements. 45 hours of supervised internship per credit hour with communication professional. Not a substitute for COMM386.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Julie Gowin                                   | Seats (Total: 20) |
|      | Contact instructor or department for details. |                   |
| 0601 | Leah Waks                                     | Seats (Total: 20) |
|      | Contact instructor or department for details. |                   |

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**COMM298R      Selected Topics in Communication; Introduction to Public Relations**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Special topical study of contemporary issues in communication.*

**Contact department for information to register for this course.**

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**COMM324      Communication and Gender**

Credits: 3                      Grading Method: Regular,                      General Education: DSHU,  
    Pass-Fail, Audit                      , D                      DVUP

*The creation of images of male and female, and masculine and feminine, through communication, the differences in male and female communication behaviors and styles, and the implications of those images and styles for male-female transactions.*

|      |                         |                   |
|------|-------------------------|-------------------|
| 0101 | Kimberley Hannah-Prater | Seats (Total: 35) |
|      | MW 3:30pm - 4:45pm      | CHM 0119          |
| 0201 | Kimberley Hannah-Prater | Seats (Total: 35) |
|      | MW 5:00pm - 6:15pm      | CHM 0119          |
| 0301 | Janna Soeder            | Seats (Total: 35) |
|      | TuTh 8:00am - 9:15am    | SKN 1115          |
| 0401 | Janna Soeder            | Seats (Total: 35) |
|      | TuTh 9:30am - 10:45am   | SQH 1103          |

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**COMM330      Argumentation and Public Policy**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Contemporary theories of argumentation with special emphasis on methods of formulating and critiquing public policy argument.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Devin Scott          | Seats (Total: 35) |
|      | MW 2:00pm - 3:15pm   | PLS 1117          |
| 0201 | William Howell       | Seats (Total: 35) |
|      | TuTh 8:00pm - 9:15pm | KEY 0102          |

### COMM331 News Writing and Reporting for Public Relations

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: COMM201; and must have completed or be concurrently enrolled in JOUR181.*

*Restriction: Must be in Communication program; and (sophomore standing; or junior standing). Or permission of ARHU-Communication department. Credit only granted for: JOUR201, COMM231, or COMM331. Formerly: COMM231.*

*Writing and researching news and information media for public relations; laboratory in news-gathering tools and writing techniques for public relations.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Raphael Mazzone     | Seats (Total: 18) |
|      | M 11:00am - 12:50pm | EGR 3140          |
|      | W 11:00am - 12:50pm | EGR 3140      Lab |

### COMM332 News Editing for Public Relations

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in COMM331; or students who have taken courses with comparable content may contact the department. And permission of ARHU-Communication department.*

*Restriction: Must be in Communication program. Credit only granted for: JOUR202, COMM232, or COMM332. Formerly: COMM232.*

*Copy editing, graphic principles and processes, news and information technologies for public relations.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Pamela Grant        | Seats (Total: 18) |
|      | Tu 8:00am - 9:15am  | EGR 3140          |
|      | Th 8:00am - 9:15am  | EGR 3140      Lab |
| 0201 | Pamela Grant        | Seats (Total: 18) |
|      | Tu 9:30am - 10:45am | EGR 3140          |
|      | Th 9:30am - 10:45am | EGR 3140      Lab |

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0301 | Erich Sommerfeldt    | Seats (Total: 18) |     |
|      | Tu 5:00pm - 6:15pm   | EGR 3140          |     |
|      | Th 5:00pm - 6:15pm   | EGR 3140          | Lab |
| 0401 | Pamela Grant         | Seats (Total: 18) |     |
|      | TuTh 3:30pm - 4:45pm | EGR 3140          |     |

### COMM351 Public Relations Techniques

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: COMM332. Restriction: Must be in Communication program. Credit only granted for: COMM351 or JOUR331. Formerly: JOUR331.*

*The techniques of public relations, including news releases, publications and printed materials, audio-visual techniques, speeches and special events. Application of these techniques in laboratory and field projects.*

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | Luke Capizzo         | Seats (Total: 18) |     |
|      | M 1:00pm - 2:15pm    | EGR 3140          |     |
|      | W 1:00pm - 2:15pm    | EGR 3140          | Lab |
| 0201 | Susan Simon          | Seats (Total: 18) |     |
|      | Tu 11:00am - 12:15pm | EGR 3140          |     |
|      | Th 11:00am - 12:15pm | EGR 3140          | Lab |

### COMM353 New Media Writing for Public Relations

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: Minimum grade of C- in COMM351. Restriction: Must be in Communication program. Credit only granted for: COMM352 or COMM353. Formerly: COMM352.*

*Students learn the uses and influence of new media on public relations practice and expand their ability to write using new and traditional media platforms and tools*

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0101 | Tyler Page          | Seats (Total: 18) |     |
|      | Tu 2:00pm - 3:15pm  | EGR 3140          |     |
|      | Th 2:00pm - 3:15pm  | EGR 3140          | Lab |
| 0201 | Sifan Xu            | Seats (Total: 18) |     |
|      | Tu 12:30pm - 1:45pm | EGR 3140          |     |
|      | Th 12:30pm - 1:45pm | EGR 3140          | Lab |

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**COMM360      The Rhetoric of Black America**

Credits: 3                      Grading Method: Regular,  
                                        Pass-Fail, Audit                      , D

*An historical-critical survey of the rhetoric of Black Americans from the colonial period to the present.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Meridith Styer       | Seats (Total: 35) |
|      | TuTh 5:00pm - 6:15pm | SKN 1115          |

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**COMM370      Mediated Communication**

Credits: 3                      Grading Method: Regular,  
                                        Pass-Fail, Audit

*Prerequisite: COMM250. Restriction: Junior standing or higher.*

*Analysis and critique of structure, performance, content, effects, and future of mediated communication.*

|  |                      |                   |
|--|----------------------|-------------------|
| 0101   | Soyoung Bae          | Seats (Total: 45) |
|  | MW 3:30pm - 4:45pm   | TYD 1108          |
| SG91   | Soyoung Bae          | Seats (Total: 40) |
|  | TuTh 2:00pm - 3:15pm | BLD3 4215         |
| <i>Restricted to COMM majors at Shady Grove.</i> |                      |                   |

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**COMM371      Communication and Digital Media**

Credits: 3                      Grading Method: Regular,  
                                        Pass-Fail, Audit

*Restriction: Must be in Communication program. Credit only granted for: COMM371 or COMM398V.  
Formerly: COMM398V.*

*A basic introduction to communication in the digital age. Through class lectures, assignments and projects, students will learn to effectively use new media for the purpose of strategic message creation and management used in the field of communication. Students will apply the basics of visual layout skills and the principles of visual design to create messages using words and images.*

This course is restricted to COMM majors at Shady Grove.

|  |                     |                   |
|--|---------------------|-------------------|
| SG91   | Robert Coleman      | Seats (Total: 25) |
|  | MW 9:00am - 10:45am | BLD3 3216         |
| <i>Restricted to COMM majors at Shady Grove.</i> |                     |                   |

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**COMM372      Communication, Meaning, and Digital Media**

Credits: 3                      Grading Method: Regular

*Restriction: Must be in Communication program.*

*An exploration of visual communication and meaning creation. A theoretical and practical application of communication concepts and techniques in the production of visual content.*

Formerly COMM498J. Credit granted for COMM498J or COMM372.

|  |                   |                   |
|--|-------------------|-------------------|
| SG91   | Adam Nixon        | Seats (Total: 25) |
|  | M 4:15pm - 6:45pm | BLD3 3216         |
| <i>Restricted to COMM majors at Shady Grove.</i> |                   |                   |

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**COMM373      Communication and Digital Visual Narrative**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in Communication program.*

*Examination of the traditional style of visual communication, its practices and theoretical underpinnings juxtaposed against contemporary digital media aesthetics and techniques. Utilizing a variety of communication skills and new media tools, students will plan, write, shoot, edit, and upload digital visual narratives.*

Formerly COMM498K. Credit granted for COMM498K or COMM373.

|  |                    |                   |
|--|--------------------|-------------------|
| SG91   | Adam Nixon         | Seats (Total: 25) |
|  | Tu 4:00pm - 6:30pm | BLD3 3216         |
| <i>Restricted to COMM majors at Shady Grove.</i> |                    |                   |

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**COMM375      Documentary Theory and Practice**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in Communication program.*

*A historical and theoretical introduction to documentary films and videos. Students will explore the power of documentaries to address socially significant issues.*

|  |                   |                   |
|--|-------------------|-------------------|
| SG91   | Adam Nixon        | Seats (Total: 25) |
|  | W 4:15pm - 6:45pm | BLD3 3216         |
| <i>Restricted to COMM majors at Shady Grove.</i> |                   |                   |



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**COMM382      Essentials of Intercultural Communication**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      , D      General Education: DVCC

*Credit only granted for: COMM382 or COMM482.*

*Introduction of major theories and concepts of intercultural communication; examination of processes that make up cultural differences; and use of intercultural communication competence skills.*

|  |                        |                   |
|--|------------------------|-------------------|
| 0101   | Nicholas Joyce         | Seats (Total: 35) |
|  | MW 3:30pm - 4:45pm     | JMP 1202          |
| 0201   | Anita Seate            | Seats (Total: 35) |
|  | TuTh 3:30pm - 4:45pm   | SQH 1103          |
| 0401   | David Payne            | Seats (Total: 35) |
|  | MW 5:00pm - 6:15pm     | JMP 1202          |
| SG91   | David Payne            | Seats (Total: 40) |
|  | TuTh 11:00am - 12:15pm | BLD3 4211         |
| <i>Restricted to COMM majors at Shady Grove.</i> |                        |                   |

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**COMM385      Influence**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSSP, SCIS

*Credit only granted for: COMM385 or COMM498I (Spring 2014). Formerly: COMM498I (Spring 2014).*

*Explores contemporary theories of influence and their implications for communication practice. Topics include power and influence, logical theory, rhetorical theory, persuasion theory, framing theory, social influence theory, and propagation of influence in mediated social networks.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Nicholas Joyce     | Seats (Total: 60) |
|      | MW 5:00pm - 6:15pm | EGR 1108          |

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**COMM386      Experiential Learning**

(Perm req)

Credits: 3-6      Grading Method: Regular, Pass-Fail      General Education: DSSP

*Prerequisite: Permission of ARHU-Communication department. Restriction: Junior standing or higher; and must be in Communication program.*

*Supervised internship experience with communication professionals. Relation of academic training to professional experience.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Julie Gowin   | Seats (Total: 60) |
|      | Contact instructor or department for details.   |                   |
| SG91 | Elizabeth Malliakos   | Seats (Total: 20) |
|      | Contact instructor or department for details.   |                   |
|      | <i>Contact department or instructor for details. Restricted to Shady Grove COMM Majors.</i> |                   |

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**COMM388****Communication Practicum**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail

*Supervised professional-level practice in communication.*

**Contact department for information to register for this course.**

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**COMM398****Selected Topics in Communication**

(Perm req)

Credits: 3

Grading Method: Regular

*Topical study of contemporary issues in communication.*

**Contact department for information to register for this course.**

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**COMM398C****Selected Topics in Communication; Peer Consulting in Oral Communication**

(Perm req)

Credits: 3

Grading Method: Regular

*Topical study of contemporary issues in communication.*

Prerequisite: permission of department. Provides training in the principles and practice of peer consulting in the context of an oral communication center. Students will apply and integrate the knowledge and skills acquired in COMM107 (or COMM200) with new training to help their peers become outstanding listeners and speakers. They will also engage in a group research project designed to extend knowledge in peer consulting best practices.

|      |   |                   |
|------|---|-------------------|
| 0101 | Jade Olson                                    | Seats (Total: 15) |
|      | Tu 5:00pm - 7:30pm                            | SKN 2117          |
|      | Contact instructor or department for details. |                   |

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**COMM398E****Selected Topics in Communication; Health Communication**

Credits: 3

Grading Method: Regular

*Topical study of contemporary issues in communication.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Xiaoli Nan           | Seats (Total: 35) |
|      | TuTh 2:00pm - 3:15pm | KEY 0103          |

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**COMM398F      Selected Topics in Communication; Web Graphics, Coding, and Site Design**

Credits: 3                      Grading Method: Regular

*Topical study of contemporary issues in communication.*

**Contact department for information to register for this course.**

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**COMM398I      Selected Topics in Communication; Communicating for Results**

Credits: 3                      Grading Method: Regular

*Topical study of contemporary issues in communication.*

|  |                       |                   |
|--|-----------------------|-------------------|
| SG91   | Judith Tenney         | Seats (Total: 40) |
|  | TuTh 12:30pm - 1:45pm | BLD3 3240         |
| <i>Restricted to COMM majors at Shady Grove.</i> |                       |                   |

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**COMM398K      Selected Topics in Communication; Communication and Strategic Message Design**

Credits: 3                      Grading Method: Regular

*Topical study of contemporary issues in communication.*

|  |                      |                   |
|--|----------------------|-------------------|
| SG91   | Robert Coleman       | Seats (Total: 25) |
|  | MW 11:00am - 12:15pm | BLD3 3216         |
| <i>Restricted to COMM majors at Shady Grove.</i> |                      |                   |

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**COMM398M      Selected Topics in Communication; Communicating through Humor**

Credits: 3                      Grading Method: Regular

*Topical study of contemporary issues in communication.*

|  |                       |                   |
|--|-----------------------|-------------------|
| SG91   | David Payne           | Seats (Total: 40) |
|  | TuTh 12:30pm - 1:45pm | BLD3 4211         |
| <i>Restricted to COMM majors at Shady Grove.</i> |                       |                   |

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**COMM398N      Selected Topics in Communication; Communication and Digital Imaging**

Credits: 3                      Grading Method: Regular

*Topical study of contemporary issues in communication.*

|  |                    |                   |
|--|--------------------|-------------------|
| SG91   | Robert Coleman     | Seats (Total: 25) |
|  | MW 2:00pm - 3:45pm | BLD3 3216         |
| <i>Restricted to COMM majors at Shady Grove.</i> |                    |                   |

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**COMM398O      Selected Topics in Communication; Digital Media and Democracy**

Credits: 3                      Grading Method: Regular

*Topical study of contemporary issues in communication.*

|  |                       |                   |
|--|-----------------------|-------------------|
| 0101   | Jon Hoffman           | Seats (Total: 45) |
|  | TuTh 9:30am - 10:45am | TWS 1100          |
| SG91   | Jon Hoffman           | Seats (Total: 40) |
|  | MW 12:30pm - 1:45pm   | BLD2 3022         |
| <i>Restricted to COMM majors at Shady Grove.</i> |                       |                   |

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**COMM398R      Selected Topics in Communication; Interactive Online Media**

Credits: 3                      Grading Method: Regular

*Topical study of contemporary issues in communication.*

**Contact department for information to register for this course.**

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**COMM398X      Selected Topics in Communication; Social Networking**

Credits: 3                      Grading Method: Regular

*Topical study of contemporary issues in communication.*

Restricted to COMM majors at Shady Grove.

|  |                       |                   |
|--|-----------------------|-------------------|
| SG91   | Debsamita Patra       | Seats (Total: 25) |
|  | TuTh 9:30am - 10:45am | BLD3 3216         |
| <i>Restricted to COMM majors at Shady Grove.</i> |                       |                   |

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**COMM398Z      Selected Topics in Communication; Media Ethics and Cultural Citizenship**

Credits: 3                      Grading Method: Regular

*Topical study of contemporary issues in communication.*

**Contact department for information to register for this course.**

**COMM399****Honors Thesis**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

|      |   |                   |
|------|---|-------------------|
| 0601 | Leah Waks                                     | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 1001 | Andrew Wolvin                                 | Seats (Total: 5)  |
|      | Contact instructor or department for details. |                   |
| 3801 | Dale Hample                                   | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 4001 | Xiaoli Nan                                    | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

**COMM400****Research Methods in Communication**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: COMM250; and must have an introductory course in statistics. Restriction: Must be in Communication program.*

*Philosophy of scientific method; role of theory; research ethics; empirical research methods (measurement, sampling, design, analysis).*

Attendance on the first day of class is mandatory. For majors only.

|      |                      |                     |
|------|----------------------|---------------------|
| 0101 | Anita Seate          | Seats (Total: 20)   |
|      | TuTh 2:00pm - 2:50pm | MMH 1400            |
|      | F 9:00am - 9:50am    | SQH 1119 Discussion |
| 0102 | Anita Seate          | Seats (Total: 20)   |
|      | TuTh 2:00pm - 2:50pm | MMH 1400            |
|      | F 10:00am - 10:50am  | SQH 1119 Discussion |
| 0103 | Anita Seate          | Seats (Total: 20)   |
|      | TuTh 2:00pm - 2:50pm | MMH 1400            |
|      | F 11:00am - 11:50am  | SQH 1119 Discussion |
| 0104 | Anita Seate          | Seats (Total: 20)   |
|      | TuTh 2:00pm - 2:50pm | MMH 1400            |
|      | F 9:00am - 9:50am    | SQH 1121 Discussion |

|      |  |   |            |
|------|--|---|------------|
| 0105 | Anita Seate<br>TuTh 2:00pm - 2:50pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>MMH 1400<br>SQH 1121 | Discussion |
| 0106 | Anita Seate<br>TuTh 2:00pm - 2:50pm<br>F 11:00am - 11:50am | Seats (Total: 20)<br>MMH 1400<br>SQH 1121 | Discussion |

## COMM401

### Interpreting Strategic Discourse

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: COMM250. Restriction: Must be in Communication program.*

*Principles and approaches for practical analysis of discourse designed to shape audience opinion.*

Attendance on the first day of classes is mandatory.

|      |   |   |            |
|------|---|---|------------|
| 0101 | Christopher Swift<br>TuTh 12:30pm - 1:20pm<br>W 9:00am - 9:50am   | Seats (Total: 20)<br>ESJ 2204<br>PLS 1162 | Discussion |
| 0102 | Christopher Swift<br>TuTh 12:30pm - 1:20pm<br>W 10:00am - 10:50am | Seats (Total: 20)<br>ESJ 2204<br>PLS 1162 | Discussion |
| 0103 | Christopher Swift<br>TuTh 12:30pm - 1:20pm<br>W 11:00am - 11:50am | Seats (Total: 20)<br>ESJ 2204<br>PLS 1162 | Discussion |
| 0104 | Christopher Swift<br>TuTh 12:30pm - 1:20pm<br>W 9:00am - 9:50am   | Seats (Total: 20)<br>ESJ 2204<br>PLS 1164 | Discussion |
| 0105 | Christopher Swift<br>TuTh 12:30pm - 1:20pm<br>W 10:00am - 10:50am | Seats (Total: 20)<br>ESJ 2204<br>PLS 1164 | Discussion |
| 0106 | Christopher Swift<br>TuTh 12:30pm - 1:20pm<br>W 11:00am - 11:50am | Seats (Total: 20)<br>ESJ 2204<br>PLS 1164 | Discussion |

|      |   |                                |
|------|---|--------------------------------|
| 0201 | Meridith Styer<br>TuTh 2:00pm - 3:15pm  | Seats (Total: 35)<br>JMP 1202  |
| SG91 | Jon Hoffman<br>MW 11:00am - 12:15pm<br><i>Restricted to COMM majors at Shady Grove.</i> | Seats (Total: 40)<br>BLD2 3022 |

## COMM402

### Communication Theory and Process

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: COMM250. Restriction: Must be in Communication program.*

*Philosophical and conceptual analysis of communication theories.*

Attendance on the first day of classes is mandatory.

|      |  |   |            |
|------|--|---|------------|
| 0101 | Soyoung Bae<br>MW 12:00pm - 12:50pm<br>M 9:00am - 9:50am   | Seats (Total: 20)<br>JMP 3201<br>PLS 1117 | Discussion |
| 0102 | Soyoung Bae<br>MW 12:00pm - 12:50pm<br>M 10:00am - 10:50am | Seats (Total: 20)<br>JMP 3201<br>PLS 1117 | Discussion |
| 0103 | Soyoung Bae<br>MW 12:00pm - 12:50pm<br>M 11:00am - 11:50am | Seats (Total: 20)<br>JMP 3201<br>PLS 1117 | Discussion |
| 0104 | Soyoung Bae<br>MW 12:00pm - 12:50pm<br>M 9:00am - 9:50am   | Seats (Total: 20)<br>JMP 3201<br>SYM 0209 | Discussion |
| 0105 | Soyoung Bae<br>MW 12:00pm - 12:50pm<br>M 10:00am - 10:50am | Seats (Total: 20)<br>JMP 3201<br>SYM 0209 | Discussion |
| 0106 | Soyoung Bae<br>MW 12:00pm - 12:50pm<br>M 11:00am - 11:50am | Seats (Total: 20)<br>JMP 3201<br>SYM 0209 | Discussion |

|  |                       |                   |
|--|-----------------------|-------------------|
| SG91   | Soyoung Bae           | Seats (Total: 40) |
|  | TuTh 12:30pm - 1:45pm | BLD3 4215         |
| <i>Restricted to COMM majors at Shady Grove.</i> |                       |                   |

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**COMM422      Communication Management**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Communication policies, plans, channels, and practices in the management of the communication function in organizations.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Andrew Wolvin        | Seats (Total: 35) |
|      | TuTh 8:00am - 9:15am | KEY 0103          |

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**COMM424      Communication in Complex Organizations**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Structure and function of communication within organizations: organizational climate and culture, information flow, networks and role relationships.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Raphael Mazzone       | Seats (Total: 35) |
|      | TuTh 9:30am - 10:45am | SQH 1105          |

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**COMM425      Negotiation and Conflict Management**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Role of communication in shaping negotiation and conflict processes and outcomes.*

This course is restricted to COMM majors only.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Lauren Edelstein       | Seats (Total: 45) |
|      | TuTh 11:00am - 12:15pm | HBK 0302H         |

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**COMM426      Conflict Management**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Recommended: COMM425; and COMM250; and COMM402.*



*Role of communication in managing conflict processes.*

This course is restricted to COMM majors only.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Lauren Edelstein      | Seats (Total: 45) |
|      | TuTh 9:30am - 10:45am | HBK 0302H         |

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## **COMM427 Crisis Communication**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: COMM398C or COMM427. Formerly: COMM398C.*

*Explores theories and research related to communication before, during, and after a crisis. Students examine the fundamentals of organizational communication, crisis management, and strategic and crisis communication planning before examining case studies of a number of real-life crises: organizational crises, natural disasters, accidents, terrorism incidents, health crises, and major crises of credibility.*

|  |                        |                   |
|--|------------------------|-------------------|
| 0101   | Brooke Liu             | Seats (Total: 35) |
|  | TuTh 3:30pm - 4:45pm   | SQH 1107          |
| SG91   | Judith Tenney          | Seats (Total: 40) |
|  | TuTh 11:00am - 12:15pm | BLD3 3240         |
| <i>Restricted to COMM majors at Shady Grove.</i> |                        |                   |

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## **COMM435 Theories of Interpersonal Communication**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: COMM400; or permission of ARHU-Communication department.*

*Major theoretical approaches and research trends in the study of interpersonal communication.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Dale Hample          | Seats (Total: 35) |
|      | TuTh 3:30pm - 4:45pm | ASY 3207          |

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## **COMM450 Ancient and Medieval Rhetorical Theory**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: COMM250. Restriction: Must be in Communication program. Credit only granted for: COMM450 or COMM650.*

*A survey of rhetorical theory in the ancient and medieval periods. Emphasis is placed on the theoretical problems that gave rise to its development within both periods. Authors include Isocrates, Plato, Aristotle, Cicero, Quintilian, Hermogenes, Martianus Capella, Aurelius Augustine, Alberic of Monte Cassino, Geoffrey of Vinsauf and Robert of Basevorn.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Damien Pfister         | Seats (Total: 35) |
|      | TuTh 11:00am - 12:15pm | ARC 1101          |

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**COMM458D Seminar in Political Communication; Deception in Public Discourse**

Credits: 3                      Grading Method: Regular

*The examination of special topics for and theories of political communication.*

This course examines the central role of deception in democratic political discourse. Since antiquity, politicians have not only lied to their constituents about themselves, but also popularized a deceptive idea of democracy. The history of this process will be surveyed and recent examples from U. S. public discourse will be studied.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Christopher Swift    | Seats (Total: 35) |
|      | TuTh 3:30pm - 4:45pm | TYD 1132          |

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**COMM460 Public Life in American Communities, 1634-1900**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Ways that Americans have used their voice to create public life. Focus is on the diverse social communities that have characterized American life and the place and characteristics of oral discourse in each.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Carly Woods           | Seats (Total: 35) |
|      | TuTh 12:30pm - 1:45pm | HBK 0105          |

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**COMM468A Seminar in Mediated Communication; Arab Media**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The examination of special topics related to the study of mediated communication.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Sahar Khamis          | Seats (Total: 35) |
|      | TuTh 12:30pm - 1:45pm | TYD 1132          |

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**COMM468T Seminar in Mediated Communication; Technology and Digital Culture**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The examination of special topics related to the study of mediated communication.*

This seminar will explore themes related to the transition from a mass media ecology to a networked media ecology, with special attention to the role of technological change. Readings will span early 20th century theories of mass communication to contemporary theories of digitally networked communication. The course will be of special interest to students interested in the history of media technology, digital culture, and emerging technologies.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Damien Pfister       | Seats (Total: 35) |
|      | TuTh 2:00pm - 3:15pm | BPS 1238          |

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**COMM469G      The Discourse of Social Movements; Rhetoric of Gender Activism**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Study of key social movements that have influenced American social and political life. In alternate years the Civil Rights Movement and the Rhetoric of Women's Suffrage and Abolitionism. Consideration of how groups excluded from or marginalized in American political life affect social change.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Carly Woods          | Seats (Total: 35) |
|      | TuTh 3:30pm - 4:45pm | KEY 0103          |

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**COMM469O      The Discourse of Social Movements; Rhetoric of Oppressed Peoples**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Study of key social movements that have influenced American social and political life. In alternate years the Civil Rights Movement and the Rhetoric of Women's Suffrage and Abolitionism. Consideration of how groups excluded from or marginalized in American political life affect social change.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Michelle Yang        | Seats (Total: 35) |
|      | TuTh 2:00pm - 3:15pm | SQH 1107          |

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**COMM470      Listening**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The principles of listening behavior.*

This course is restricted to COMM majors only.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Andrew Wolvin          | Seats (Total: 35) |
|      | TuTh 11:00am - 12:15pm | SKN 0104          |

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**COMM475 Persuasion**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Bases of persuasion, with emphasis on recent experimental developments in persuasion.*

This course is restricted to COMM majors only.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Susan Hubbard       | Seats (Total: 45) |
|      | MW 12:30pm - 1:45pm | TYD 1132          |

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**COMM478 Communication Colloquium**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Current trends and issues in the field of communication, stressing recent research methods.*

*Recommended for senior and graduate student majors and minors in communication.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Michelle Yang      | Seats (Total: 50) |
|      | F 12:00pm - 1:30pm | SKN 0200          |

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**COMM483 Senior Seminar in Public Relations**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: COMM351 and COMM400. Credit only granted for: COMM483 or JOUR483. Formerly: JOUR483.*

*Integration of theory, techniques and research methods into the planning and execution of public relations campaigns for specific organizations. Analysis of research on the case studies of public relations.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Susan Simon           | Seats (Total: 20) |
|      | TuTh 9:30am - 10:45am | WDS 1127          |
| 0201 | Susan Simon           | Seats (Total: 20) |
|      | MW 9:30am - 10:45am   | EGR 3140          |

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**COMM488I      Communication Portfolio Project; The Art of Interviewing**

Credits: 1                      Grading Method: Regular

*Preparation of the professional communication portfolio.*

This course introduces students to advanced techniques in interviewing for job opportunities and career progression. This online course focuses on the dynamics of the interview process, the communication theories and best practices behind influence and persuasion, and the communication aptitudes and skills that distinguish top candidates.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Christina Saninocencio     | Seats (Total: 50) |
|      | Class time/details on ELMs | ONLINE            |

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**COMM489      Topical Research**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit*Individualized research projects conducted with a faculty sponsor.***Contact department for information to register for this course.**

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**COMM498B      Seminar; Bateman Competition**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit*Present-day communication research.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Luke Capizzo                                  | Seats (Total: 16) |
|      | TuTh 9:30am - 10:45am                         | JMZ 3203          |
|      | Contact instructor or department for details. |                   |

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**COMM498C      Seminar; Public Relations Management**Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit*Present-day communication research.*

Restriction: COMM majors only (1506A).

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Elizabeth Toth        | Seats (Total: 35) |
|      | TuTh 12:30pm - 1:45pm | ASY 3203          |

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**COMM498G      Seminar; Event Planning and Communication**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Present-day communication research.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Pamela Grant          | Seats (Total: 35) |
|      | TuTh 12:30pm - 1:45pm | SKN 0104          |

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**COMM498I      Seminar; New Media and Health**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Present-day communication research.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Kang Namkoong         | Seats (Total: 35) |
|      | TuTh 12:30pm - 1:45pm | KEY 0103          |

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**COMM498L      Seminar; Introduction to Screenwriting for Television and Film**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Present-day communication research.*

|  |                    |                   |
|--|--------------------|-------------------|
| SG91   | Adam Nixon         | Seats (Total: 25) |
|  | Th 4:00pm - 6:30pm | BLD3 3216         |
| <i>Restricted to COMM majors at Shady Grove.</i> |                    |                   |

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**COMM498O      Seminar; Public Relations Research, Data and Insights**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Present-day communication research.*

Prerequisite: COMM350 or COMM201/COMM298P. A practicum with work in teams to extract data to solve a public relations client problem. Students receive training and skills in secondary, quantitative, and qualitative techniques to analyze data to help a client set goals and measurable objectives. The course features the latest communication technology tools and unpacks them for students.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Elizabeth Toth       | Seats (Total: 35) |
|      | TuTh 5:00pm - 6:15pm | SKN 0104          |

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**COMM498R      Seminar; Risk Communication**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Present-day communication research.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Ji Youn Kim         | Seats (Total: 35) |
|      | MWF 1:00pm - 1:50pm | SQH 1105          |

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**COMM498V      Seminar; Visual Rhetoric**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Present-day communication research.*

Restricted to Departmental Honors students.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Michelle Yang        | Seats (Total: 15) |
|      | TuTh 5:00pm - 6:15pm | WDS 1127          |

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**COMM602      Communication Theory**

Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Must be in one of the following programs (Communication (Master's); Communication (Doctoral)).*

*Fundamental concepts, approaches, and problems in communication theory.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Dale Hample        | Seats (Total: 15) |
|      | Th 6:30pm - 9:30pm | SKN 2127          |

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**COMM609      Fundamentals of Interpreting**

Credits: 2-6                      Grading Method: Regular,  
Audit

*Develops a systematic, reflective approach to interpreting tasks in real-world settings and outlines the use of different modes of interpreting under professional working conditions. Provides an overview of interpreting skills with exercises to develop them, including focus on active listening and analysis, effective use of memory, and delivery of the target message. Interpreting strategies and techniques in both dialogue and formal consecutive settings are discussed and practiced in a range of interpreting domains. Includes sight translation.*

|      |  |                   |
|------|--|-------------------|
| PG01 | Peng Wang                                      | Seats (Total: 30) |
|      | Contact instructor or department for details.  |                   |
|      | <i>Restricted to students in GSIT Program.</i> |                   |

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**COMM609A      Fundamentals of Interpreting; Methodology**

Credits: 1                      Grading Method: Regular,  
   Audit

*Develops a systematic, reflective approach to interpreting tasks in real-world settings and outlines the use of different modes of interpreting under professional working conditions. Provides an overview of interpreting skills with exercises to develop them, including focus on active listening and analysis, effective use of memory, and delivery of the target message. Interpreting strategies and techniques in both dialogue and formal consecutive settings are discussed and practiced in a range of interpreting domains. Includes sight translation.*

|      |  |                   |
|------|--|-------------------|
| XG01 | Peng Wang  | Seats (Total: 16) |
|      | W 1:30pm - 3:30pm  | SKN 3118          |
|      | <i>Biweekly. Start Date 08-30. Restricted to students in GSIT Program.</i> |                   |

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**COMM609D      Fundamentals of Interpreting; Chinese into English/English into Chinese**

Credits: 1                      Grading Method: Regular,  
   Audit

*Develops a systematic, reflective approach to interpreting tasks in real-world settings and outlines the use of different modes of interpreting under professional working conditions. Provides an overview of interpreting skills with exercises to develop them, including focus on active listening and analysis, effective use of memory, and delivery of the target message. Interpreting strategies and techniques in both dialogue and formal consecutive settings are discussed and practiced in a range of interpreting domains. Includes sight translation.*

|      |  |                   |
|------|--|-------------------|
| XGC1 | Handan Bao   | Seats (Total: 16) |
|      | Tu 1:00pm - 2:50pm   | SKN 3118          |
|      | <i>Chinese into English. Biweekly. Start Date 08-29. Restricted to students in GSIT Program.</i> |                   |
| XGE1 | Handan Bao   | Seats (Total: 16) |
|      | Tu 3:00pm - 4:50pm   | SKN 3118          |
|      | <i>English into Chinese. Biweekly. Start Date 08-29. Restricted to students in GSIT Program.</i> |                   |

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**COMM609E      Fundamentals of Interpreting; Sight Translation: Chinese into English/English into Chinese**



Credits: 1      Grading Method: Regular, Audit

*Develops a systematic, reflective approach to interpreting tasks in real-world settings and outlines the use of different modes of interpreting under professional working conditions. Provides an overview of interpreting skills with exercises to develop them, including focus on active listening and analysis, effective use of memory, and delivery of the target message. Interpreting strategies and techniques in both dialogue and formal consecutive settings are discussed and practiced in a range of interpreting domains. Includes sight translation.*

|      |  |                   |
|------|--|-------------------|
| XGC1 | Irina Knizhnik   | Seats (Total: 16) |
|      | W 6:00pm - 6:50pm  | HBK 0123          |
|      | <i>Chinese into English. Biweekly. Start Date 08-30. Restricted to students in GSIT Program.</i> |                   |
| XGE1 | Yu Tang  | Seats (Total: 16) |
|      | W 7:00pm - 7:50pm  | PLS 1168          |
|      | <i>English into Chinese. Biweekly. Start Date 08-30. Restricted to students in GSIT Program.</i> |                   |

**COMM609I**      **Fundamentals of Interpreting; Korean into English/English into Korean**

Credits: 1      Grading Method: Regular, Audit

*Develops a systematic, reflective approach to interpreting tasks in real-world settings and outlines the use of different modes of interpreting under professional working conditions. Provides an overview of interpreting skills with exercises to develop them, including focus on active listening and analysis, effective use of memory, and delivery of the target message. Interpreting strategies and techniques in both dialogue and formal consecutive settings are discussed and practiced in a range of interpreting domains. Includes sight translation.*

|      |  |                   |
|------|--|-------------------|
| XGE1 | Yong-Ha Lee  | Seats (Total: 16) |
|      | M 12:00pm - 1:50pm   | SKN 2127          |
|      | <i>English into Korean. Biweekly, starting on 08/28. Restricted to students in GSIT Program.</i> |                   |
| XGK1 | Yong-Ha Lee  | Seats (Total: 16) |
|      | M 10:00am - 11:50am  | SKN 2127          |
|      | <i>Korean into English. Biweekly, starting on 08/28. Restricted to students in GSIT Program.</i> |                   |

**COMM609J**      **Fundamentals of Interpreting; Sight Translation: Korean into English/English into Korean**

Credits: 1      Grading Method: Regular, Audit

*Develops a systematic, reflective approach to interpreting tasks in real-world settings and outlines the use of different modes of interpreting under professional working conditions. Provides an overview of interpreting skills with exercises to develop them, including focus on active listening and analysis, effective use of memory, and delivery of the target message. Interpreting strategies and techniques in both dialogue and formal consecutive settings are discussed and practiced in a range of interpreting domains. Includes sight translation.*

|  |                            |                   |
|--|----------------------------|-------------------|
| XGE1   | Lee Boese                  | Seats (Total: 16) |
|  | Sa 10:00am - 10:50am       | SKN 2127          |
|  | Class time/details on ELMs | ONLINE Discussion |
| <i>Korean into English. Biweekly (10 am to 1 pm for the first few sessions). Start Date 09-02. Restricted to students in GSIT Program.</i> |                            |                   |
| XGK1   | Lee Boese                  | Seats (Total: 16) |
|  | Sa 11:00am - 11:50am       | SKN 2127          |
|  | Class time/details on ELMs | ONLINE Discussion |
| <i>Korean into English. Biweekly (10 am to 1 pm for the first few sessions). Start Date 09-02. Restricted to students in GSIT Program.</i> |                            |                   |

**COMM609M Fundamentals of Interpreting; Spanish into English/English into Spanish**

Credits: 1      Grading Method: Regular,  
Audit

*Develops a systematic, reflective approach to interpreting tasks in real-world settings and outlines the use of different modes of interpreting under professional working conditions. Provides an overview of interpreting skills with exercises to develop them, including focus on active listening and analysis, effective use of memory, and delivery of the target message. Interpreting strategies and techniques in both dialogue and formal consecutive settings are discussed and practiced in a range of interpreting domains. Includes sight translation.*

|      |   |                   |
|------|---|-------------------|
| XGE1 | Esperanza Pombo Lopez-Barron  | Seats (Total: 16) |
|      | W 4:00pm - 5:50pm   | SKN 3117          |
|      | <i>English into Spanish. Biweely. Start Date 08-30. Restricted to students in GSIT Program.</i> |                   |
| XGS1 | Rosalinda Meza-Steel  | Seats (Total: 16) |
|      | Contact instructor or department for details.   |                   |
|      | <i>Spanish into English. Start Date TBA. Restricted to students in GSIT Program.</i>            |                   |

**COMM609N**      **Fundamentals of Interpreting; Sight Translation: Spanish into English/English into Spanish**

Credits: 1      Grading Method: Regular, Audit

*Develops a systematic, reflective approach to interpreting tasks in real-world settings and outlines the use of different modes of interpreting under professional working conditions. Provides an overview of interpreting skills with exercises to develop them, including focus on active listening and analysis, effective use of memory, and delivery of the target message. Interpreting strategies and techniques in both dialogue and formal consecutive settings are discussed and practiced in a range of interpreting domains. Includes sight translation.*

|      |  |                   |
|------|--|-------------------|
| XGE1 | Eva Vilarrubi  | Seats (Total: 16) |
|      | Sa 11:00am - 11:50am   | SKN 2127          |
|      | <i>English into Spanish. Biweekly. Start Date 09-02. Restricted to students in GSIT Program.</i> |                   |
| XGS1 | Rosalinda Meza-Steel   | Seats (Total: 16) |
|      | Sa 2:30pm - 4:30pm   | SKN 3118          |
|      | <i>Spanish into English. Biweekly, starting 09-09. Restricted to students in GSIT Program.</i>   |                   |

**COMM6090**      **Fundamentals of Interpreting; English into Russian/Russian into English**

Credits: 1      Grading Method: Regular,  
Audit

*Develops a systematic, reflective approach to interpreting tasks in real-world settings and outlines the use of different modes of interpreting under professional working conditions. Provides an overview of interpreting skills with exercises to develop them, including focus on active listening and analysis, effective use of memory, and delivery of the target message. Interpreting strategies and techniques in both dialogue and formal consecutive settings are discussed and practiced in a range of interpreting domains. Includes sight translation.*

|      |  |                   |
|------|--|-------------------|
| XGE1 | Sergei Chernov   | Seats (Total: 16) |
|      | Sa 9:00am - 9:50am   | SKN 3117          |
|      | <i>English into Russian. Weekly. Start Date 09-16. Restricted to students in the GSIT program.</i> |                   |
| XGR1 | Nikolai Sorokin  | Seats (Total: 16) |
|      | Tu 11:30am - 1:30pm  | SKN 2127          |
|      | <i>Russian into English. Biweekly. Start Date 08-29. Restricted to students in GSIT program.</i>   |                   |

**COMM609P**      **Fundamentals of Interpreting; English into Russian/Russian into English**

Credits: 1      Grading Method: Regular, Audit

*Develops a systematic, reflective approach to interpreting tasks in real-world settings and outlines the use of different modes of interpreting under professional working conditions. Provides an overview of interpreting skills with exercises to develop them, including focus on active listening and analysis, effective use of memory, and delivery of the target message. Interpreting strategies and techniques in both dialogue and formal consecutive settings are discussed and practiced in a range of interpreting domains. Includes sight translation.*

|      |  |                   |
|------|--|-------------------|
| XGE1 | Sergei Chernov   | Seats (Total: 16) |
|      | Sa 10:00am - 10:30am   | SKN 3117          |
|      | Contact instructor or department for details.  |                   |
|      | <i>English into Russian. Weekly. Start Date 09-16. Restricted to students in the GSIT program.</i> |                   |
| XGR1 | Nikolai Sorokin  | Seats (Total: 16) |
|      | Tu 1:30pm - 2:30pm   | SKN 2127          |
|      | Contact instructor or department for details.  |                   |
|      | <i>Russian into English. Biweekly. Start Date 08-29. Restricted to students in GSIT program.</i>   |                   |

**COMM609Q**      **Fundamentals of Interpreting; Interpretation - French into Spanish/Spanish into French**

Credits: 1      Grading Method: Regular,  
Audit

*Develops a systematic, reflective approach to interpreting tasks in real-world settings and outlines the use of different modes of interpreting under professional working conditions. Provides an overview of interpreting skills with exercises to develop them, including focus on active listening and analysis, effective use of memory, and delivery of the target message. Interpreting strategies and techniques in both dialogue and formal consecutive settings are discussed and practiced in a range of interpreting domains. Includes sight translation.*

|   |                      |                   |
|---|----------------------|-------------------|
| XGF1  | Rosalinda Meza-Steel | Seats (Total: 16) |
|   | Sa 2:30pm - 4:30pm   | SKN 3118          |
| <i>French into Spanish. Biweekly, starting 09-02. Restricted to students in GSIT Program.</i> |                      |                   |

**COMM609R**      **Fundamentals of Interpreting; Sight Translation - French into Spanish/Spanish into French**

Credits: 1      Grading Method: Regular,  
Audit

*Develops a systematic, reflective approach to interpreting tasks in real-world settings and outlines the use of different modes of interpreting under professional working conditions. Provides an overview of interpreting skills with exercises to develop them, including focus on active listening and analysis, effective use of memory, and delivery of the target message. Interpreting strategies and techniques in both dialogue and formal consecutive settings are discussed and practiced in a range of interpreting domains. Includes sight translation.*

|   |                      |                   |
|---|----------------------|-------------------|
| XGF1  | Rosalinda Meza-Steel | Seats (Total: 16) |
|   | Sa 4:30pm - 5:30pm   | SKN 3118          |
| <i>French into Spanish. Biweekly. Start Date 09-02. Restricted to students in GSIT Program.</i> |                      |                   |

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### **COMM609T      Fundamentals of Interpreting; German into Spanish**

Credits: 1                      Grading Method: Regular,  
   Audit

*Develops a systematic, reflective approach to interpreting tasks in real-world settings and outlines the use of different modes of interpreting under professional working conditions. Provides an overview of interpreting skills with exercises to develop them, including focus on active listening and analysis, effective use of memory, and delivery of the target message. Interpreting strategies and techniques in both dialogue and formal consecutive settings are discussed and practiced in a range of interpreting domains. Includes sight translation.*

|   |                            |                   |
|---|----------------------------|-------------------|
| XGG1  | Instructor: TBA            | Seats (Total: 16) |
|   | Class time/details on ELMs | ONLINE            |
| <i>German into Spanish. Restricted to students in GSIT program.</i> |                            |                   |

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### **COMM609U      Fundamentals of Interpreting; Sight Translation - German into Spanish**

Credits: 1                      Grading Method: Regular,  
   Audit

*Develops a systematic, reflective approach to interpreting tasks in real-world settings and outlines the use of different modes of interpreting under professional working conditions. Provides an overview of interpreting skills with exercises to develop them, including focus on active listening and analysis, effective use of memory, and delivery of the target message. Interpreting strategies and techniques in both dialogue and formal consecutive settings are discussed and practiced in a range of interpreting domains. Includes sight translation.*

|   |                            |                   |
|---|----------------------------|-------------------|
| XGG1  | Instructor: TBA            | Seats (Total: 16) |
|   | Class time/details on ELMs | ONLINE            |
| <i>German into Spanish. Restricted to students in GSIT program.</i> |                            |                   |

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**COMM609V      Fundamentals of Interpreting; Italian into Spanish/Spanish into Italian**

Credits: 1                      Grading Method: Regular,  
   Audit

*Develops a systematic, reflective approach to interpreting tasks in real-world settings and outlines the use of different modes of interpreting under professional working conditions. Provides an overview of interpreting skills with exercises to develop them, including focus on active listening and analysis, effective use of memory, and delivery of the target message. Interpreting strategies and techniques in both dialogue and formal consecutive settings are discussed and practiced in a range of interpreting domains. Includes sight translation.*

|  |                              |                   |
|--|------------------------------|-------------------|
| XGI1   | Esperanza Pombo Lopez-Barron | Seats (Total: 16) |
|  | Th 4:00pm - 5:50pm           | SKN 3118          |
| <i>Italian into Spanish. Biweekly. Start date 08-31. Restricted to students in GSIT program.</i> |                              |                   |

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**COMM609W      Fundamentals of Interpreting; Sight Translation - Italian into Spanish/Spanish into Italian**

Credits: 1                      Grading Method: Regular,  
   Audit

*Develops a systematic, reflective approach to interpreting tasks in real-world settings and outlines the use of different modes of interpreting under professional working conditions. Provides an overview of interpreting skills with exercises to develop them, including focus on active listening and analysis, effective use of memory, and delivery of the target message. Interpreting strategies and techniques in both dialogue and formal consecutive settings are discussed and practiced in a range of interpreting domains. Includes sight translation.*

|  |   |                   |
|--|---|-------------------|
| XGI1   | Instructor: TBA                               | Seats (Total: 16) |
|  | Contact instructor or department for details. |                   |
| <i>Italian into Spanish. Restricted to students in GSIT program.</i> |   |                   |

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**COMM610      Introduction to Translation and Interpreting Studies**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: Students must complete an admissions test for first year courses; and permission of ARHU-Communication department.*

*Provides an overview of the interdisciplinary fields of Translation and Interpreting Studies and establishes relationships between scholarly study and professional practice. Examines how theories and concepts inform practice, guide to a higher level of competence, and address issues of interlingual, intercultural mediation in authentic, real-world settings both past and present. serves as a foundation course for reflective practice and portfolio work through action research methodology and process*

|  |                   |                   |
|--|-------------------|-------------------|
| PG01   | David Sawyer      | Seats (Total: 30) |
|  | M 5:30pm - 8:30pm | SKN 3118          |
| <i>Restricted to students in GSIT Program.</i> |                   |                   |

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**COMM618 Professional Communication: Rhetoric & Style**

Credits: 3                      Grading Method: Regular

*Writing instruction in English for professional communicators with a focus on rhetoric, style, and grammar. Designed to teach English writing skills focused on message creation and organization, sentence structure, and language use, typologies of rhetorical genres, registers, and style, research skills, summary-writing skills, to editing skills, and vocabulary building in English writing.*

|  |                                  |                   |
|--|----------------------------------|-------------------|
| PCF1   | Shawn Parry-Giles, Mollie Kaufer | Seats (Total: 20) |
|  | W 12:00pm - 3:00pm               | SKN 3115          |
| <i>Restricted to students in the Enhanced English Fluency Program.</i> |                                  |                   |

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**COMM629 Introduction to Simultaneous Interpretation**

Credits: 1                      Grading Method: Regular,  
Audit

*Builds upon the overview of the simultaneous mode in Fundamentals of Interpreting by reviewing the relationship between consecutive and simultaneous skills and introducing work in the booth. Challenges of simultaneous interpreting, including split attention, ear-voice span, and voice and microphone technique are addressed. Participants become familiar with the booth and exercises required to build simultaneous skills. Role and use of portable equipment in professional settings are discussed. Recommended as preparation for the M.A. entrance examination.*

|  |   |                   |
|--|---|-------------------|
| PG01   | Gerard Francois                               | Seats (Total: 16) |
|  | Contact instructor or department for details. |                   |
| <i>Restricted to students in GSIT Program.</i> |   |                   |

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**COMM629F Introduction to Simultaneous Interpretation; French into English**

Credits: 1                      Grading Method: Regular,  
Audit

*Builds upon the overview of the simultaneous mode in Fundamentals of Interpreting by reviewing the relationship between consecutive and simultaneous skills and introducing work in the booth. Challenges of simultaneous interpreting, including split attention, ear-voice span, and voice and microphone technique are addressed. Participants become familiar with the booth and exercises required to build simultaneous skills. Role and use of portable equipment in professional settings are discussed. Recommended as preparation for the M.A. entrance examination.*

|   |                   |                   |
|---|-------------------|-------------------|
| XGE1  | Gerard Francois   | Seats (Total: 16) |
|   | M 3:30pm - 4:30pm | SKN 3118          |
| <i>French into English. Biweekly. Start Date 08-28. Restricted to students in GSIT Program.</i> |                   |                   |

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**COMM631 Seminar in Public Relations Publics**

Credits: 3                      Grading Method: Regular,  
Audit

*Credit only granted for: COMM631 or JOUR631. Formerly: JOUR631.*

*Analysis of public relations programs aimed at organizational publics. Media, issue-related, community, employee, governmental, consumer, financial, and student/educator publics. Theories of the nature of publics, communication behavior of publics, and effects of public relations programs aimed at different publics.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Erich Sommerfeldt | Seats (Total: 15) |
|      | M 3:30pm - 6:30pm | SKN 2127          |

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**COMM638 Professional Communication: Rhetoric & Voice**

Credits: 3                      Grading Method: Regular

*A skills-based course in speaking instruction in English for professional communicators with a focus on public speaking, voice, diction, and pronunciation. Focuses on developing public speaking, voice, diction, and pronunciation skills. Designed to teach message creation and organization, sentence structure, and language use, vocal qualities designed to enhance proper pronunciation, breathing, and articulation skills, register variation, listening skills, English vocabulary, audience adaptation skills with attention to cultural distinctions, presentational skills with visual aids, and interpretive skills.*

|  |                              |                   |
|--|------------------------------|-------------------|
| PCF1   | Mollie Kaufer, Andrew Wolvin | Seats (Total: 20) |
|  | Th 12:00pm - 2:50pm          | SKN 3115          |
| <i>Restricted to students in the Enhanced English Fluency Program.</i> |                              |                   |

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**COMM639 Fundamentals of Translation**

Credits: 2-6                      Grading Method: Regular,  
Audit



*Develops a systematic, reflective approach to translation involving both the written and spoken word. Provides an overview of domains of translation, associated text categories and translation tasks. Develops strategies to identify, analyze and resolve translation challenges in specific, authentic, real-world contexts. Working with a series of current texts, explores general translation concepts and language-specific strategies. Includes sight translation exercises and introduction to translation resources and computer tools used in the translators workplace.*

|      |  |                   |
|------|--|-------------------|
| PG01 | Peng Wang, John Samaha Jr  | Seats (Total: 30) |
|      | Contact instructor or department for details.  |                   |
|      | <i>Restricted to students in GSIT Program. Meets every other week beginning Sept. 1st.</i> |                   |

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## **COMM639A      Fundamentals of Translation; Methodology**

Credits: 1                      Grading Method: Regular,  
   Audit

*Develops a systematic, reflective approach to translation involving both the written and spoken word. Provides an overview of domains of translation, associated text categories and translation tasks. Develops strategies to identify, analyze and resolve translation challenges in specific, authentic, real-world contexts. Working with a series of current texts, explores general translation concepts and language-specific strategies. Includes sight translation exercises and introduction to translation resources and computer tools used in the translators workplace.*

|      |  |                   |
|------|--|-------------------|
| XG01 | Peng Wang, John Samaha Jr  | Seats (Total: 16) |
|      | Th 10:00am - 11:50am   | SKN 3118          |
|      | <i>Biweekly. Start Date 08-31. Restricted to students in GSIT Program.</i> |                   |

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## **COMM639D      Fundamentals of Translation; Translation: Chinese into English/English into Chinese**

Credits: 1                      Grading Method: Regular,  
   Audit

*Develops a systematic, reflective approach to translation involving both the written and spoken word. Provides an overview of domains of translation, associated text categories and translation tasks. Develops strategies to identify, analyze and resolve translation challenges in specific, authentic, real-world contexts. Working with a series of current texts, explores general translation concepts and language-specific strategies. Includes sight translation exercises and introduction to translation resources and computer tools used in the translators workplace.*

|      |  |                   |
|------|--|-------------------|
| XGC1 | Irina Knizhnik   | Seats (Total: 16) |
|      | W 4:00pm - 5:50pm  | HBK 0123          |
|      | <i>Chinese into English. Biweekly. Start Date 08-30. Restricted to students in GSIT Program.</i> |                   |

|  |                      |                   |
|--|----------------------|-------------------|
| XGE1   | Min Eu               | Seats (Total: 16) |
|  | Tu 10:30am - 12:30pm | ARC 1125          |
| <i>English into Chinese. Biweekly. Start Date 09-12. Restricted to students in GSIT program.</i> |                      |                   |

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**COMM639E      Fundamentals of Translation; Sight Translation: Chinese into English/English into Chinese**

Credits: 1                      Grading Method: Regular,  
   Audit

*Develops a systematic, reflective approach to translation involving both the written and spoken word. Provides an overview of domains of translation, associated text categories and translation tasks. Develops strategies to identify, analyze and resolve translation challenges in specific, authentic, real-world contexts. Working with a series of current texts, explores general translation concepts and language-specific strategies. Includes sight translation exercises and introduction to translation resources and computer tools used in the translators workplace.*

|  |                   |                   |
|--|-------------------|-------------------|
| XGC1   | Irina Knizhnik    | Seats (Total: 16) |
|  | W 6:00pm - 6:50pm | HBK 0123          |
| <i>Chinese into English. Biweekly. Start Date 08-30. Restricted to students in GSIT Program.</i> |                   |                   |
| XGE1   | Yu Tang           | Seats (Total: 16) |
|  | W 7:00pm - 7:50pm | PLS 1168          |
| <i>English into Chinese. Biweekly. Start Date 08-30. Restricted to students in GSIT Program.</i> |                   |                   |

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**COMM639F      Fundamentals of Translation; Methodology: Translation: French into English/English into French**

Credits: 1                      Grading Method: Regular,  
   Audit

*Develops a systematic, reflective approach to translation involving both the written and spoken word. Provides an overview of domains of translation, associated text categories and translation tasks. Develops strategies to identify, analyze and resolve translation challenges in specific, authentic, real-world contexts. Working with a series of current texts, explores general translation concepts and language-specific strategies. Includes sight translation exercises and introduction to translation resources and computer tools used in the translators workplace.*

|   |                      |                   |
|---|----------------------|-------------------|
| XGE1  | Brigitte Andreassier | Seats (Total: 16) |
| Contact instructor or department for details.                       |                      |                   |
| <i>Restricted to students in GSIT Program. English into French.</i> |                      |                   |

|      |   |                   |
|------|---|-------------------|
| XGF1 | Ine van Dam   | Seats (Total: 16) |
|      | Contact instructor or department for details.                       |                   |
|      | <i>Restricted to students in GSIT Program. French into English.</i> |                   |

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**COMM639G      Fundamentals of Translation; Sight Translation: French into English/English into French**

Credits: 1                      Grading Method: Regular,  
   Audit

*Develops a systematic, reflective approach to translation involving both the written and spoken word. Provides an overview of domains of translation, associated text categories and translation tasks. Develops strategies to identify, analyze and resolve translation challenges in specific, authentic, real-world contexts. Working with a series of current texts, explores general translation concepts and language-specific strategies. Includes sight translation exercises and introduction to translation resources and computer tools used in the translators workplace.*

|      |  |                   |
|------|--|-------------------|
| XGE1 | Brigitte Andreassier   | Seats (Total: 16) |
|      | Contact instructor or department for details.  |                   |
|      | <i>Restricted to students in GSIT Program. English into French. Weekly starting September 22, via Skype.</i> |                   |
| XGF1 | Anna Mason   | Seats (Total: 16) |
|      | Contact instructor or department for details.  |                   |
|      | <i>Restricted to students in GSIT Program. French into English. Every other week TBA, via Skype.</i>         |                   |

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**COMM639M      Fundamentals of Translation; Translation: Spanish into English/English into Spanish**

Credits: 1                      Grading Method: Regular,  
   Audit

*Develops a systematic, reflective approach to translation involving both the written and spoken word. Provides an overview of domains of translation, associated text categories and translation tasks. Develops strategies to identify, analyze and resolve translation challenges in specific, authentic, real-world contexts. Working with a series of current texts, explores general translation concepts and language-specific strategies. Includes sight translation exercises and introduction to translation resources and computer tools used in the translators workplace.*

|      |  |                   |
|------|--|-------------------|
| XGS1 | Charles Becker   | Seats (Total: 16) |
|      | Tu 6:00pm - 7:50pm   | SKN 3118          |
|      | <i>Spanish into English. Biweekly. Start Date 08-29. Restricted to students in GSIT Program.</i> |                   |

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**COMM639N Fundamentals of Translation; Sight Translation: Spanish into English/English into Spanish**

Credits: 1                      Grading Method: Regular,  
   Audit

*Develops a systematic, reflective approach to translation involving both the written and spoken word. Provides an overview of domains of translation, associated text categories and translation tasks. Develops strategies to identify, analyze and resolve translation challenges in specific, authentic, real-world contexts. Working with a series of current texts, explores general translation concepts and language-specific strategies. Includes sight translation exercises and introduction to translation resources and computer tools used in the translators workplace.*

|  |                      |                   |
|--|----------------------|-------------------|
| XGS1   | Rosalinda Meza-Steel | Seats (Total: 16) |
|  | Sa 2:30pm - 4:30pm   | SKN 3118          |
| <i>Spanish into English. Biweekly, starting 09/09. Restricted to students in GSIT Program.</i> |                      |                   |

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**COMM639O Fundamentals of Translation; Portuguese into English/English into Portuguese**

Credits: 1                      Grading Method: Regular,  
   Audit

*Develops a systematic, reflective approach to translation involving both the written and spoken word. Provides an overview of domains of translation, associated text categories and translation tasks. Develops strategies to identify, analyze and resolve translation challenges in specific, authentic, real-world contexts. Working with a series of current texts, explores general translation concepts and language-specific strategies. Includes sight translation exercises and introduction to translation resources and computer tools used in the translators workplace.*

|   |   |                   |
|---|---|-------------------|
| XGE1  | Mirna Soares Andrade                          | Seats (Total: 16) |
|   | Contact instructor or department for details. |                   |
| <i>English into Portuguese. Biweekly, Start Date 09/06. Restricted to students in GSIT Program.</i> |   |                   |
| XGP1  | Robert Feron                                  | Seats (Total: 16) |
|   | W 7:00pm - 8:30pm                             | SKN 3115          |
| <i>Portuguese into English. Restricted to students in GSIT Program.</i>                             |   |                   |

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**COMM639P Fundamentals of Translation; Sight Translation: Portuguese into English/English into Portuguese**

Credits: 1                      Grading Method: Regular,  
   Audit

|      |   |                   |
|------|---|-------------------|
| XGE1 | Mirna Soares Andrade  | Seats (Total: 16) |
|      | Contact instructor or department for details.   |                   |
|      | <i>English into Portuguese. Biweekly, Start Date 09/06. Restricted to students in GSIT Program.</i> |                   |
| XGP1 | Robert Feron  | Seats (Total: 16) |
|      | W 7:00pm - 8:30pm   | SKN 3115          |
|      | <i>Portuguese into English. Restricted to students in GSIT Program.</i>                             |                   |

|  |                          |                   |
|--|--------------------------|-------------------|
| PG01   | Peng Wang, Mollie Kaufer | Seats (Total: 30) |
| <b>Meets September 16, 2017 - December 8, 2017</b>                               |                          |                   |
| F 9:00am - 11:50am   |                          | SKN 3115          |
| <i>Meets 09-01; 10-27; 11-24; 12-08. Restricted to students in GSIT program.</i> |                          |                   |

Credits: 1-3      Grading Method: Regular,  
Audit

*Builds translation skills to a highly professional level by developing autonomy in completing authentic, real-world translation projects based upon the reflective approach developed in the first-year curriculum. Develops one or more specializations. Completion of individual and group projects covering all aspects of professional translation from subject matter research, terminology work, and use of computer-assisted translation tools. Sight translation and timed exercises to increase production and meet deadlines.*

|      |  |                   |
|------|--|-------------------|
| PG01 | Peng Wang  | Seats (Total: 30) |
|      | Contact instructor or department for details.      |                   |
|      | <i>Restricted to students in the GSIT program.</i> |                   |

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## **COMM659B Translation for Language-Specific Markets; Chinese into English/English into Chinese**

Credits: 1                      Grading Method: Regular,  
   Audit

*Builds translation skills to a highly professional level by developing autonomy in completing authentic, real-world translation projects based upon the reflective approach developed in the first-year curriculum. Develops one or more specializations. Completion of individual and group projects covering all aspects of professional translation from subject matter research, terminology work, and use of computer-assisted translation tools. Sight translation and timed exercises to increase production and meet deadlines.*

|      |  |                   |
|------|--|-------------------|
| XGC1 | Irina Knizhnik   | Seats (Total: 16) |
|      | W 4:00pm - 5:50pm  | HBK 0123          |
|      | <i>Restricted to students in GSIT Program. Chinese into English. Biweekly. Start Date 08-30.</i> |                   |
| XGE1 | Min Eu   | Seats (Total: 16) |
|      | Tu 10:30am - 12:30pm   | ARC 1125          |
|      | <i>English into Chinese. Biweekly. Start Date 09-12. Restricted to students in GSIT.</i>         |                   |

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## **COMM659E Translation for Language-Specific Markets; German into English/English into German**

Credits: 1                      Grading Method: Regular,  
   Audit

*Builds translation skills to a highly professional level by developing autonomy in completing authentic, real-world translation projects based upon the reflective approach developed in the first-year curriculum. Develops one or more specializations. Completion of individual and group projects covering all aspects of professional translation from subject matter research, terminology work, and use of computer-assisted translation tools. Sight translation and timed exercises to increase production and meet deadlines.*



|  |                     |                   |
|--|---------------------|-------------------|
| PG01   | John Samaha Jr      | Seats (Total: 30) |
|  | Tu 9:00am - 10:50am | SKN 3117          |
| <i>Meets 09/12 &amp; 11/14. Restricted to students in GSIT program</i> |                     |                   |

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**COMM679 Professional Practice Forum in Translation: Workplace Processes and Procedures; Workplace Processing and Procedures Translation**

Credits: 1                      Grading Method: Regular,  
Audit

*Provides in-depth exploration of processes and procedures in public service, legal, and political settings requiring translation services. Prepares for translation in real-world settings by discussing procedures across sectors and institutions, enabling informed career plans and choices. Discusses ethics, professional conduct and business practices. Reinforces identity as a professional translator, develops specializations, and pursues professional and career development opportunities through interaction with members of the profession, professional organizations, and institutions in the language industry.*

|  |                    |                   |
|--|--------------------|-------------------|
| PG01   | Stephen Lank       | Seats (Total: 30) |
|  | W 8:30am - 10:30am | SKN 3117          |
| <i>Biweekly. Start Date 08-30. Restricted to students in GSIT program.</i> |                    |                   |

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**COMM686 Teaching Communication**

Credits: 1                      Grading Method: Regular,  
Audit

*Formerly: SPCH686.*

*Principles of effective teaching--content and process--in the college communication classroom.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Lindsey Anderson   | Seats (Total: 30) |
|      | W 12:00pm - 1:00pm | SKN 2127          |

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**COMM688 Communication Field Experience**

(Perm req)

Credits: 1-6                      Grading Method: Regular,  
Audit

*Applications of communication principles and research in professional communication settings.*

**Contact department for information to register for this course.**

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**COMM698 Special Problems in Communication**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Audit



Contact department for information to register for this course.

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**COMM700 Introduction to Graduate Study in Communication**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Must be in Communication (Doctoral) program. Formerly: SPCH700.*

*Basic skills in communication research.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Trevor Parry-Giles | Seats (Total: 30) |
|      | Tu 3:30pm - 6:30pm | SKN 2127          |

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**COMM710 Translation and Localization Project Management**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: Admissions test for second year courses; and permission of ARHU-Communication department.*

*Introduces basic principles of project management in the translation industry based upon globalization and localization processes for software, websites, and other translation-driven products. Focuses on information technology and workflow in large-scale multilingual projects. Examines planning, execution, and evaluation processes grounded in best practices and standards of the translation and localization industry.*

|      |  |                   |
|------|--|-------------------|
| PG01 | Peng Wang, Andrew Lawless, Isabelle<br>Delabre | Seats (Total: 30) |
|      | F 1:00pm - 3:50pm                              | SKN 3118          |
|      | <i>Restricted to students in GSIT Program.</i> |                   |

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**COMM711 Historical/Critical Methods in Communication Research**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: COMM700; or permission of instructor. Formerly: SPCH711.*

*Methods for historical and critical research in communication. Formulation of significant research questions, systematic collection of bibliographic and phenomenal information, formulating substantial claims, organizing and writing research for disciplinary outlets.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Kristjana Maddux   | Seats (Total: 15) |
|      | M 7:00pm - 10:00pm | SKN 2127          |

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**COMM714 Introduction to Qualitative Methods in Communication Research**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Permission of instructor.*

*Methods for field research in communication including interviewing, ethnographic and participant intervention, focus groups, and content analysis. Formulation of significant research questions, systematic collection of field data, formulating substantial claims from the research, organizing and writing research from disciplinary outlets.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Linda Aldoory     | Seats (Total: 15) |
|      | W 6:30pm - 9:30pm | SKN 2127          |

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**COMM719 Advanced Consecutive Interpretation**

Credits: 2-3                      Grading Method: Regular,  
   Audit

*Builds consecutive interpreting skills to a highly professional level by sharpening listening, processing, memory, note-taking, and delivery skills, enabling interpretation of highly complex material requiring particular attention to nuance, tone, and style. Includes dialogue and monologue interpreting exercises with specialized subject material. Participants emerge from the course as reflective practitioners with the simultaneous interpreting skills required to perform competently in real-world settings.*

|      |  |                   |
|------|--|-------------------|
| PG01 | Esperanza Pombo Lopez-Barron, Peng<br>Wang     | Seats (Total: 30) |
|      | Contact instructor or department for details.  |                   |
|      | <i>Restricted to students in GSIT Program.</i> |                   |

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**COMM719A Advanced Consecutive Interpretation; Arabic into English/English into Arabic**

Credits: 1                      Grading Method: Regular,  
   Audit

*Builds consecutive interpreting skills to a highly professional level by sharpening listening, processing, memory, note-taking, and delivery skills, enabling interpretation of highly complex material requiring particular attention to nuance, tone, and style. Includes dialogue and monologue interpreting exercises with specialized subject material. Participants emerge from the course as reflective practitioners with the simultaneous interpreting skills required to perform competently in real-world settings.*

|  |                            |                   |
|--|----------------------------|-------------------|
| XGA1   | Ihab Ali                   | Seats (Total: 16) |
|  | Sa 2:50pm - 4:50pm         | SKN 3118          |
|  | Class time/details on ELMs | ONLINE Discussion |
| <i>Arabic into English. Biweekly, starting 09/09 &amp; online classes. Restricted to students in GSIT Program.</i> |                            |                   |
| XGE1   | Ihab Ali                   | Seats (Total: 16) |
|  | Sa 1:00pm - 2:50pm         | SKN 3118          |
| <i>English into Arabic. Biweekly, starting 09/09 &amp; online classes. Restricted to students in GSIT Program.</i> |                            |                   |

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### COMM719B Advanced Consecutive Interpretation; Chinese into English/English into Chinese

Credits: 1                      Grading Method: Regular,  
Audit

*Builds consecutive interpreting skills to a highly professional level by sharpening listening, processing, memory, note-taking, and delivery skills, enabling interpretation of highly complex material requiring particular attention to nuance, tone, and style. Includes dialogue and monologue interpreting exercises with specialized subject material. Participants emerge from the course as reflective practitioners with the simultaneous interpreting skills required to perform competently in real-world settings.*

|  |                    |                   |
|--|--------------------|-------------------|
| XGC1   | Handan Bao         | Seats (Total: 16) |
|  | Tu 1:00pm - 2:50pm | SKN 3118          |
| <i>Restricted to students in GSIT Program. Chinese into English. Biweekly. Start Date 08-29.</i> |                    |                   |
| XGE1   | Handan Bao         | Seats (Total: 16) |
|  | Tu 3:00pm - 4:50pm | SKN 3118          |
| <i>Restricted to students in GSIT Program. English into Chinese. Biweekly. Start Date 08-29.</i> |                    |                   |

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### COMM719C Advanced Consecutive Interpretation; French into English/English into French

Credits: 1                      Grading Method: Regular,  
Audit

*Builds consecutive interpreting skills to a highly professional level by sharpening listening, processing, memory, note-taking, and delivery skills, enabling interpretation of highly complex material requiring particular attention to nuance, tone, and style. Includes dialogue and monologue interpreting exercises with specialized subject material. Participants emerge from the course as reflective practitioners with the simultaneous interpreting skills required to perform competently in real-world settings.*

|   |                    |                   |
|---|--------------------|-------------------|
| XGF1  | Gerard Francois    | Seats (Total: 16) |
|   | M 11:30am - 3:30pm | SKN 3117          |
| <i>Restricted to students in GSIT Program. French into English. Biweekly. Start Date 08-28.</i> |                    |                   |

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**COMM719F      Advanced Consecutive Interpretation; Spanish into English/English into Spanish**

Credits: 1                      Grading Method: Regular,  
   Audit

*Builds consecutive interpreting skills to a highly professional level by sharpening listening, processing, memory, note-taking, and delivery skills, enabling interpretation of highly complex material requiring particular attention to nuance, tone, and style. Includes dialogue and monologue interpreting exercises with specialized subject material. Participants emerge from the course as reflective practitioners with the simultaneous interpreting skills required to perform competently in real-world settings.*

|  |                      |                   |
|--|----------------------|-------------------|
| XGE1   | Rosalinda Meza-Steel | Seats (Total: 16) |
|  | Sa 10:30am - 12:30pm | SKN 3117          |
| <i>English into Spanish. Biweekly, Start Date 09/09. Restricted to students in GSIT Program.</i> |                      |                   |
| XGS1   | Rosalinda Meza-Steel | Seats (Total: 16) |
|  | Sa 12:30pm - 2:30pm  | SKN 3117          |
| <i>Spanish into English. Biweekly, Start Date 09/09. Restricted to students in GSIT Program.</i> |                      |                   |

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**COMM719G      Advanced Consecutive Interpretation; Korean into English/English into Korean**

Credits: 1                      Grading Method: Regular,  
   Audit

*Builds consecutive interpreting skills to a highly professional level by sharpening listening, processing, memory, note-taking, and delivery skills, enabling interpretation of highly complex material requiring particular attention to nuance, tone, and style. Includes dialogue and monologue interpreting exercises with specialized subject material. Participants emerge from the course as reflective practitioners with the simultaneous interpreting skills required to perform competently in real-world settings.*

|   |                     |                   |
|---|---------------------|-------------------|
| XGE1  | Yong-Ha Lee         | Seats (Total: 16) |
|   | M 10:00am - 11:50am | SKN 2127          |
| <i>English into Korean. Biweekly, Start Date 08/28. Restricted to students in GSIT Program.</i> |                     |                   |

|   |                    |                   |
|---|--------------------|-------------------|
| XGK1  | Yong-Ha Lee        | Seats (Total: 16) |
|   | M 12:00pm - 1:50pm | SKN 2127          |
| <i>Korean into English. Biweekly, Start Date 08/28. Restricted to students in GSIT Program.</i> |                    |                   |

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## COMM729 Simultaneous Interpretation

Credits: 2-3      Grading Method: Regular,  
Audit

*Builds upon the discussion of the simultaneous mode and exercises in Introduction to Simultaneous Interpreting by reviewing the relationship between consecutive and simultaneous skills and introducing work in the booth in a series of progressive exercises. Addresses challenges such as coordination of split attention, ear-voice span, memory and delivery / presentation. Reinforces principles of collegial teamwork and good microphone technique in the booth. Enhances preparation skills required for interpretation of specialized subject matter.*

|  |   |                   |
|--|---|-------------------|
| PG01   | Peng Wang                                     | Seats (Total: 16) |
|  | Contact instructor or department for details. |                   |
| <i>Restricted to students in GSIT Program.</i> |   |                   |

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## COMM729A Simultaneous Interpretation; Arabic into English/English into Arabic

Credits: 1      Grading Method: Regular,  
Audit

*Builds upon the discussion of the simultaneous mode and exercises in Introduction to Simultaneous Interpreting by reviewing the relationship between consecutive and simultaneous skills and introducing work in the booth in a series of progressive exercises. Addresses challenges such as coordination of split attention, ear-voice span, memory and delivery / presentation. Reinforces principles of collegial teamwork and good microphone technique in the booth. Enhances preparation skills required for interpretation of specialized subject matter.*

|   |                      |                   |
|---|----------------------|-------------------|
| XGA1  | Ihab Ali             | Seats (Total: 16) |
|   | Sa 9:00am - 10:50am  | SKN 3118          |
| <i>Restricted to students in GSIT Program. Arabic into English. Biweekly, Start Date 09/09.</i> |                      |                   |
| XGE1  | Ihab Ali             | Seats (Total: 16) |
|   | Sa 10:50am - 12:50pm | SKN 3118          |
| <i>Restricted to students in GSIT Program. English into Arabic. Biweekly, Start Date 09/09</i>  |                      |                   |

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## COMM729B Simultaneous Interpretation; Chinese into English/English into Chinese

Credits: 1                      Grading Method: Regular,  
   Audit

*Builds upon the discussion of the simultaneous mode and exercises in Introduction to Simultaneous Interpreting by reviewing the relationship between consecutive and simultaneous skills and introducing work in the booth in a series of progressive exercises. Addresses challenges such as coordination of split attention, ear-voice span, memory and delivery / presentation. Reinforces principles of collegial teamwork and good microphone technique in the booth. Enhances preparation skills required for interpretation of specialized subject matter.*

|  |                      |                   |
|--|----------------------|-------------------|
| XGC1   | Handan Bao           | Seats (Total: 16) |
|  | Tu 9:00am - 10:50am  | SKN 3118          |
| <i>Restricted to students in GSIT Program. Chinese into English. Biweekly. Start Date 08-29.</i> |                      |                   |
| XGE1   | Handan Bao           | Seats (Total: 16) |
|  | Tu 11:00am - 12:50pm | SKN 3118          |
| <i>Restricted to students in GSIT Program. English into Chinese. Biweekly. Start Date 08-29.</i> |                      |                   |

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**COMM729C      Simultaneous Interpretation; French into English/English into French**

Credits: 1                      Grading Method: Regular,  
   Audit

*Builds upon the discussion of the simultaneous mode and exercises in Introduction to Simultaneous Interpreting by reviewing the relationship between consecutive and simultaneous skills and introducing work in the booth in a series of progressive exercises. Addresses challenges such as coordination of split attention, ear-voice span, memory and delivery / presentation. Reinforces principles of collegial teamwork and good microphone technique in the booth. Enhances preparation skills required for interpretation of specialized subject matter.*

|   |                      |                   |
|---|----------------------|-------------------|
| XGE1  | Gerard Francois      | Seats (Total: 16) |
|   | M 9:00am - 10:50am   | SKN 3118          |
| <i>English into French. Biweekly, Start Date 08-28. Restricted to students in GSIT Program.</i> |                      |                   |
| XGF1  | Rosalinda Meza-Steel | Seats (Total: 16) |
|   | Sa 12:30pm - 2:30pm  | SKN 3118          |
| <i>French into English. Biweekly, Start Date 09/02. Restricted to students in GSIT Program.</i> |                      |                   |

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**COMM729F      Simultaneous Interpretation; Spanish into English/English into Spanish**

Credits: 1      Grading Method: Regular, Audit

*Builds upon the discussion of the simultaneous mode and exercises in Introduction to Simultaneous Interpreting by reviewing the relationship between consecutive and simultaneous skills and introducing work in the booth in a series of progressive exercises. Addresses challenges such as coordination of split attention, ear-voice span, memory and delivery / presentation. Reinforces principles of collegial teamwork and good microphone technique in the booth. Enhances preparation skills required for interpretation of specialized subject matter.*

|  |  |                               |
|--|--|-------------------------------|
| XGE1   | Instructor: TBA<br>F 4:00pm - 5:50pm         | Seats (Total: 16)<br>SKN 3118 |
| <i>Restricted to students in GSIT program. English into Spanish. Biweekly, Start Date 09/08.</i> |  |                               |
| XGS1   | Rosalinda Meza-Steel<br>Sa 10:30am - 12:30pm | Seats (Total: 16)<br>SKN 3118 |
| <i>Spanish into English. Biweekly, Start Date 09/02. Restricted to students in GSIT Program.</i> |  |                               |

**COMM729K Simultaneous Interpretation; Interpreting: Korean into English/English into Korean**

Credits: 1      Grading Method: Regular, Audit

*Builds upon the discussion of the simultaneous mode and exercises in Introduction to Simultaneous Interpreting by reviewing the relationship between consecutive and simultaneous skills and introducing work in the booth in a series of progressive exercises. Addresses challenges such as coordination of split attention, ear-voice span, memory and delivery / presentation. Reinforces principles of collegial teamwork and good microphone technique in the booth. Enhances preparation skills required for interpretation of specialized subject matter.*

|   |                     |                   |
|---|---------------------|-------------------|
| XGE1  | Yong-Ha Lee         | Seats (Total: 16) |
|   | M 12:00pm - 1:50pm  | SKN 3118          |
| <i>English into Korean. Biweekly, Start Date 09/04. Restricted to students in GSIT Program.</i> |                     |                   |
| XGK1  | Yong-Ha Lee         | Seats (Total: 16) |
|   | M 10:00am - 11:50am | SKN 3118          |
| <i>Korean into English. Biweekly, Start Date 09/04. Restricted to students in GSIT Program.</i> |                     |                   |

**COMM748      The Rhetoric of the Presidency**

Credits: 3      Grading Method: Regular, Audit

*The study of the historical and contemporary rhetoric of the presidency in appropriate historical and political contexts. Scholarship related to public address studies and theories of the presidency will be featured.*

|  |                    |                   |
|--|--------------------|-------------------|
| PCF1   | Shawn Parry-Giles  | Seats (Total: 20) |
|  | W 9:00am - 11:50am | SKN 2130          |
| <i>Restricted to students in the Enhanced English Fluency Program.</i> |                    |                   |

## COMM748P The Rhetoric of the Presidency

Credits: 3      Grading Method: Regular, Audit

*The study of the historical and contemporary rhetoric of the presidency in appropriate historical and political contexts. Scholarship related to public address studies and theories of the presidency will be featured.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Shawn Parry-Giles  | Seats (Total: 15) |
|      | Th 3:30pm - 6:30pm | SKN 2127          |

**COMM759 Professional Practice Forum in Interpreting: Practicum**

Credits: 1      Grading Method: Regular,  
Audit

*Provides opportunities to interpret consecutively and simultaneously in real-world settings on campus and in the public service, legal, business, and political communities. Develops team leader skills by organizing and convening an event or series of events (conference, debate, or negotiation), selecting topics and delegates, and preparing speeches and arguments to deliver and interpret. Collaboration with participants in M.A. translation courses is sought. Requires independent study plan agreed with course instructor.*

|   |                              |                   |
|---|------------------------------|-------------------|
| PG01  | Esperanza Pombo Lopez-Barron | Seats (Total: 30) |
|   | Tu 9:00am - 10:50am          | SKN 3117          |
| <i>Meets 09-12 &amp; 11-14. Restricted to students in GSIT program.</i> |                              |                   |

**COMM769 Professional Practice Forum in Interpreting: Workplace Processes and Procedures; Workplace Processes and Procedures Interpreting**

Credits: 1      Grading Method: Regular,  
Audit



|      |  |                   |
|------|--|-------------------|
| PG01 | Miriam Stanicic  | Seats (Total: 30) |
|      | Sa 8:30am - 10:30am  | SKN 3118          |
|      | <i>Restricted to students in GSIT program. Meets 09-16, 09-30, 10-14, 10-28, 11-11, 12-02.</i> |                   |

|  |                     |                   |
|--|---------------------|-------------------|
| PG01   | Monika Roske        | Seats (Total: 30) |
|  | Th 12:30pm - 3:30pm | SKN 3118          |
| <i>Restricted to students in GSIT Program. Weekly. Start Date 08-31.</i> |                     |                   |

|      |  |                   |
|------|--|-------------------|
| PG01 | Andrew Wolvin                                  | Seats (Total: 16) |
|      | Th 1:00pm - 2:50pm                             | SKN 2127          |
|      | <i>Restricted to students in GSIT Program.</i> |                   |

|      |   |                   |
|------|---|-------------------|
| XG01 | Cassondra Pope  | Seats (Total: 16) |
|      | Th 3:00pm - 3:50pm  | SKN 2127          |
|      | Contact instructor or department for details.   |                   |
|      | <i>Restricted to students in GSIT program. Public Speaking: Diction Weekly. Plus 1 make up session on TBA date.</i> |                   |

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**COMM798B Independent Study; Text Analysis and Intensive Writing**

Credits: 1-2      Grading Method: Regular,  
Audit

*An individual course designed for intensive study or research of problems in communication.*

|      |  |                   |
|------|--|-------------------|
| PG01 | Shawn Parry-Giles, Mollie Kaufer   | Seats (Total: 16) |
|      | M 2:00pm - 2:50pm  | SKN 2127          |
|      | <i>Restricted to students in GSIT program. Taught in English. Every other week starting August 30.</i> |                   |
| PG02 | Elisabetta Ullmann   | Seats (Total: 16) |
|      | Th 10:00am - 11:50am   | SKN 3117          |
|      | <i>Restricted to students in GSIT Program. Taught in Chinese. Meets biweekly starting 08-31.</i>       |                   |

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**COMM798F Independent Study; English Fluency Enhancement**

Credits: 1-3      Grading Method: Regular,  
Audit

*An individual course designed for intensive study or research of problems in communication.*

|      |  |                   |
|------|--|-------------------|
| PG01 | Mollie Kaufer, Shawn Parry-Giles   | Seats (Total: 16) |
|      | Contact instructor or department for details.                            |                   |
|      | <i>Meets by appointment. Restricted to students in the GSIT program.</i> |                   |

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**COMM798I Independent Study; Consecutive Interpreting Skills**

Credits: 1-2      Grading Method: Regular,  
Audit

*An individual course designed for intensive study or research of problems in communication.*

|      |  |                   |
|------|--|-------------------|
| PG01 | Esperanza Pombo Lopez-Barron                   | Seats (Total: 16) |
|      | Contact instructor or department for details.  |                   |
|      | <i>Restricted to students in GSIT Program.</i> |                   |

**COMM798J**      **Independent Study; Translation Skills**

Credits: 1-2      Grading Method: Regular,  
Audit

*An individual course designed for intensive study or research of problems in communication.*

|  |           |                   |
|--|-----------|-------------------|
| PG01   | Peng Wang | Seats (Total: 16) |
| Contact instructor or department for details.  |           |                   |
| <i>Restricted to students in GSIT Program.</i> |           |                   |

**COMM798K**     **Independent Study; Culture and Website Localization**

Credits: 2      Grading Method: Regular,  
Audit

*An individual course designed for intensive study or research of problems in communication.*

|   |                            |                   |
|---|----------------------------|-------------------|
| PG01  | Peng Wang                  | Seats (Total: 16) |
|   | Th 3:40pm - 5:40pm         | SKN 3115          |
|   | Class time/details on ELMs | ONLINE            |
| <i>Meets biweekly and has online classes. Restricted to students in GSIT Program.</i> |                            |                   |

**COMM799      Master's Thesis Research**

(Perm req)

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

**COMM888      Doctoral Practicum in Communication**

(Perm req)

Credits: 3-9      Grading Method: Regular, Audit

*Analysis of professional activity through personal observation. Evaluation of the purpose, process, effectiveness, and efficiency of professional activity. Recommendations for training and further research.*

**Contact department for information to register for this course.**

**COMM889      Doctoral Tutorial in Communication**

(Perm req)

Credits: 3-9      Grading Method: Regular, Audit

*Individual research in communication.*

**Contact department for information to register for this course.**

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**COMM898**      **Pre-Candidacy Research**  
(Perm req)      Credits: 1-8      Grading Method: Regular, Sat-Fail  
**Contact department for information to register for this course.**

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**COMM899**      **Doctoral Dissertation Research**  
(Perm req)      Credits: 6      Grading Method: Regular, Sat-Fail  
**Contact department for information to register for this course.**

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**CONS**      **Sustainable Development & Conservation Biology**      **Fall 2017**

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**CONS609I**      **Special Topics in Conservation Biology; Internship**  
Credits: 1-3      Grading Method: Sat-Fail  
*Lectures, experimental courses and other special instructions in variou subjects in conservation biology.*

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|---|------------|-------------------|
| 0101  | Karen Lips | Seats (Total: 20) |
| Contact instructor or department for details. |            |                   |

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**CONS798**      **Research Papers in Sustainable Development and Conservation Biology**  
Credits: 1-4      Grading Method: Regular, Sat-Fail  
*Work on the required scholarly paper.*  
**Contact department for information to register for this course.**

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**CPBE**      **College Park Scholars-Business, Society, and Economy**      **Fall 2017**

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**CPBE100**      **College Park Scholars: Business, Society & the Economy First-Year Colloquium**  
Credits: 1      Grading Method: Regular  
*Restriction: Students must be matriculated into the College Park Scholars Business, Society & the Economy (CPBE) program.*

*Introductory colloquium: Examination of issues related to business, society and the economy.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Claudia Donnelly  | Seats (Total: 43) |
|      | W 5:00pm - 5:50pm | TWS 1100          |
|      | W 6:00pm - 6:50pm | TWS 1100      Lab |

|      |                   |                   |     |
|------|-------------------|-------------------|-----|
| 0201 | Claudia Donnelly  | Seats (Total: 43) |     |
|      | W 5:00pm - 5:50pm | TWS 1100          |     |
|      | W 6:00pm - 6:50pm | TWS 1100          | Lab |

## CPBE225 Enterprise Communications

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: FSOC

*Prerequisite: CPBE100. Restriction: Must be enrolled in College Park Scholars' Business, Society and the Economy (CPBE) program. Formerly: CPSP220.*

*Examines basic interpersonal communication processes within written and oral channels, with practical applications for the business environment.*

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | Ira Koretsky         | Seats (Total: 37) |     |
|      | MW 11:00am - 12:15pm | SQH 1117          |     |
|      | W 5:00pm - 6:50pm    | SQH 1120          | Lab |
| 0102 | Ira Koretsky         | Seats (Total: 36) |     |
|      | MW 2:00pm - 3:15pm   | MMH 1304          |     |
|      | W 5:00pm - 6:50pm    | SQH 1120          | Lab |

## CPET College Park Scholars-Environment, Technology & Economy

**Fall 2017**

### CPET100 College Park Scholars: Environment, Technology & Economy First-Year Colloquium I

Credits: 1      Grading Method: Regular

*Restriction: Students must be enrolled in the College Park Scholars Environment, Technology & Economy (CPET) program.*

*Introductory colloquium: Examination of issues related to the convergence of the environment, technology and the economy.*

Class will meet in lecture OR discussion each week. For the first class meeting, both sections meet in LECTURE. Students will then be given schedule for semester.

|      |  |                   |            |
|------|--|-------------------|------------|
| 0101 | Caron Gala, Lauren Gilmartin, Lucas Hays, Timothy Knight | Seats (Total: 45) |            |
|      | Tu 5:10pm - 6:30pm                                       | CCC 1205          |            |
|      | Tu 6:30pm - 7:20pm                                       | CCC 1205          | Discussion |

|      |   |          |                   |
|------|---|----------|-------------------|
| 0102 | Caron Gala, Lauren Gilmartin, Lucas Hays, |          | Seats (Total: 45) |
|      | Timothy Knight                            |          |                   |
|      | Tu 5:10pm - 6:30pm                        | CCC 1205 |                   |
|      | Tu 7:30pm - 8:20pm                        | CCC 1205 | Discussion        |

## CPET200

### College Park Scholars: Environment, Technology & Economy Second-Year Colloquium

Credits: 1      Grading Method: Regular

*Prerequisite: CPET101. Restriction: Students must be enrolled in the College Park Scholars Environment, Technology & Economy (CPET) program.*

*Advanced colloquium: Continued examination of issues related to sustainable development.*

|      |  |          |                   |
|------|--|----------|-------------------|
| 0101 | Caron Gala, Lauren Gilmartin, Lucas Hays, Timothy Knight |          | Seats (Total: 40) |
|      | M 5:10pm - 6:30pm  | CCC 1205 |                   |
|      | M 6:30pm - 7:20pm  | CCC 1205 | Discussion        |
|      | Discussion meets on Mondays from 5pm-550pm in CCC 1205.  |          |                   |
| 0102 | Caron Gala, Lauren Gilmartin, Lucas Hays, Timothy Knight |          | Seats (Total: 30) |
|      | M 5:10pm - 6:30pm  | CCC 1205 |                   |
|      | M 7:30pm - 8:20pm  | CCC 1205 | Discussion        |
|      | Discussion meets on Mondays from 6pm-650pm in CCC 1205.  |          |                   |

## CPGH

### College Park Scholars-Global Public Health

**Fall 2017**

## CPGH100

### College Park Scholars: Global Public Health First-Year Colloquium I

Credits: 1      Grading Method: Regular

*Restriction: Students must be enrolled in the College Park Scholars Global Public Health (CPGH) program.*

*Introductory colloquium: Examination of factors that determine the health status of populations around the world.*

|      |  |  |                    |
|------|--|--|--------------------|
| 0101 | Muhiuddin Haider, Kaley Beins, Abigail |  | Seats (Total: 100) |
|      | Bickford                               |  |                    |
|      | W 3:00pm - 4:30pm                      |  | CCC 1100           |

**CPGH200****College Park Scholars: Global Public Health Second-Year Colloquium**

Credits: 1

Grading Method: Regular

General Education: DSSP

*Prerequisite: CPGH101. Restriction: Students must be enrolled in the College Park Scholars Global Public Health (CPGH) program.*

*Building on knowledge and skills gained from the first-year colloquia, students will develop public health interventions that address a public health issue of a particular community.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Abigail Bickford, Muhiuddin Haider, Kaley | Seats (Total: 95) |
|      | Beins                                     |                   |
|      | Tu 2:00pm - 3:15pm                        | CCC 1100          |

**CPJT****College Park Scholars-Justice and Legal Thought****Fall 2017****CPJT100****College Park Scholars: Justice & Legal Thought: First-Year Colloquium**

Credits: 1

Grading Method: Regular

*Restriction: Students must be enrolled in the College Park Scholars Justice & Legal Thought (CPJT) program.*

*Students will gain an experiential understanding of law and justice by investigating concepts and frameworks of justice and apply them to real-world experience.*

|      |                              |                   |
|------|------------------------------|-------------------|
| 0101 | Robert Koulisch, Erica Smith | Seats (Total: 90) |
|      | W 5:00pm - 6:15pm            | CCC 1205          |

**CPJT200****Justice and legal Thought Second Year Colloquium**

Credits: 1

Grading Method: Regular

*Restriction: Students must be enrolled in the College Park Scholars Justice and Legal Thought (CPJT) program. Additional information: When combined with the first year CPJT colloquia, students will learn how to research issues discussed and debated throughout year one.*

*Advanced colloquium for second year students related to research skill development*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Erica Smith        | Seats (Total: 90) |
|      | Th 2:00pm - 3:15pm | CCC 1100          |

**CPMS****College Park Scholars-Media, Self and Society****Fall 2017****CPMS100****College Park Scholars: Media, Self & Society First-Year Colloquium I**

Credits: 1                      Grading Method: Regular

*Restriction: Students must be enrolled in the College Park Scholars Media, Self & Society (CPMS) program.*

*Introductory colloquium: Examination of issues related to the media.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Kalyani Chadha, Carolina Siqueira<br>Paranhos Velloso, Nandikoor Bhat | Seats (Total: 90) |
|      | Th 3:30pm - 4:50pm  | CCC 1100          |

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**CPMS225                      Analyzing Media Practice through Theory**

Credits: 3                      Grading Method: Regular,                      General Education: DSHS,  
Pass-Fail, Audit                      SCIS

*Prerequisite: CPMS100. Restriction: Must be in the Scholars Media, Self & Society Program. Formerly: CPSP222.*

*Media analysis investigating patterns of ownership, the working of media organizations, patterns of coverage and the nature of audiences.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Kalyani Chadha, Carolina Siqueira<br>Paranhos Velloso, Nandikoor Bhat | Seats (Total: 90) |
|      | TuTh 12:30pm - 1:45pm   | CCC 1205          |

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**CPMS230                      College Park Scholars: Media, Self & Society - Internship Practicum**

Credits: 1-3                      Grading Method: Regular

*Prerequisite: CPMS101. Restriction: Students must be enrolled in the College Park Scholars Media, Self & Society (CPMS) program.*

*Supervised internship project in an area related to media, self and society.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Kalyani Chadha                                | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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**CPPL                      College Park Scholars-Public Leadership                      Fall 2017**

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**CPPL100                      College Park Scholars: Public Leadership First-Year Colloquium I**

Credits: 1                      Grading Method: Regular

*Restriction: Students must be enrolled in the College Park Scholars Public Leadership (CPPL) program.*



*Introductory colloquium: Examination of issues related to public leadership.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Ricco Hall, Susannah Washburn<br>Tu 5:00pm - 6:15pm | Seats (Total: 30)<br>CCC 1111 |
| 0201 | Ricco Hall, Susannah Washburn<br>Tu 6:30pm - 7:45pm | Seats (Total: 35)<br>CCC 1111 |
| 0301 | Ricco Hall, Susannah Washburn<br>W 5:00pm - 6:15pm  | Seats (Total: 35)<br>CCC 1111 |

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**CPPL200****College Park Scholars: Public Leadership - Applied Leadership Capstone I**

Credits: 1                      Grading Method: Regular

*Prerequisite: CPPL101. Restriction: Students must be enrolled in the College Park Scholars Public Leadership (CPPL) program.*

*Planning and initiation of team, community-based-learning projects.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Delisha Thompson, Susannah Washburn,<br>Anastasia Brown<br>Tu 3:30pm - 4:45pm | Seats (Total: 30)<br>CCC 1111 |
| 0201 | Delisha Thompson, Susannah Washburn,<br>Anastasia Brown<br>W 2:00pm - 3:15pm  | Seats (Total: 30)<br>CCC 1111 |
| 0301 | Delisha Thompson, Susannah Washburn,<br>Anastasia Brown<br>W 3:30pm - 4:45pm  | Seats (Total: 35)<br>CCC 1205 |

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**CPSA****College Park Scholars-Arts****Fall 2017****CPSA100****College Park Scholars: Arts First-Year Colloquium I**

Credits: 1                      Grading Method: Regular

*Restriction: Students must be matriculated into the College Park Scholars Arts (CPSA) program.*

*Introductory colloquium: Aesthetic, intellectual and personal examination of the arts.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Kenna Hernly, Harold Burgess, Patricia Akinbola, Montserrat Cubillos Guzman | Seats (Total: 90) |
|      | M 6:00pm - 7:15pm   | CCC 1100          |

### **CPSA149 College Park Scholars: Arts Service-Learning Outreach**

Credits: 2 Grading Method: Regular

*Service-Learning outreach to Prince George's County schools and non-profit agencies.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Harold Burgess     | Seats (Total: 10) |
|      | Th 5:00pm - 7:00pm | CCC 1115          |

### **CPSA200 College Park Scholars: Arts Second-Year Colloquium I**

Credits: 1 Grading Method: Regular

*Prerequisite: CPSA101. Restriction: Students must be matriculated into the College Park Scholars Arts (CPSA) program. Additional information: When paired with successful completion of CPSA 240, 250 or 260, students will earn General Education Scholarship-in-Practice credit.*

*Advanced colloquium I: Examination of the arts in society; and preparation for "Scholarship-in-Practice" project.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Harold Burgess, Patricia Akinbola, Montserrat Cubillos Guzman | Seats (Total: 80) |
|      | Tu 6:00pm - 7:15pm  | CCC 1100          |

## **CPSD College Park Scholars-Science, Discovery & the Universe Fall 2017**

### **CPSD100 College Park Scholars: Science, Discovery & the Universe First-Year Colloquium A**

Credits: 1 Grading Method: Regular

*Restriction: Students must be enrolled in the College Park Scholars Science, Discovery & the Universe (CPSD) program. Additional information: Both freshman colloquia (CPSD 100 and 101) are required for students to earn their College Park Scholars citations; however, they can be taken in any order during a student's first year.*

*Introductory colloquium: Examination of issues related to science, discovery and the universe.*

|      |                              |                   |
|------|------------------------------|-------------------|
| 0101 | Jennifer McIntosh, Alan Peel | Seats (Total: 45) |
|      | Th 3:30pm - 4:30pm           | CCC 1111          |

**CPSD101****College Park Scholars: Science, Discovery & the Universe First-Year Colloquium B**

Credits: 1      Grading Method: Regular

*Restriction: Students must be enrolled in the College Park Scholars Science, Discovery & the Universe (CPSD) program. Additional information: Both freshman colloquia (CPSD 100 and 101) are required for students to earn their College Park Scholars citations; however, they can be taken in any order during a student's first year.*

*Introductory colloquium: Examination of the intersection of astronomy and culture; and the roles of science, exploration and communication in the process of discovery.*

|      |                              |                   |
|------|------------------------------|-------------------|
| 0101 | Jennifer McIntosh, Alan Peel | Seats (Total: 45) |
|      | Th 3:30pm - 4:30pm           | CCC 1205          |

**CPSD200****College Park Scholars: Science, Discovery & the Universe Second-Year Colloquium**

Credits: 1      Grading Method: Regular

*Prerequisite: CPSD100 and CPSD101. Restriction: Students must be enrolled in the College Park Scholars Science, Discovery & the Universe (CPSD) program.*

*Advanced colloquium: Continued examination of issues related to science, discovery and the universe.*

|      |                              |                   |
|------|------------------------------|-------------------|
| 0101 | Jennifer McIntosh, Alan Peel | Seats (Total: 85) |
|      | Th 5:30pm - 6:30pm           | CCC 1205          |

**CPSF****College Park Scholars-Life Sciences****Fall 2017****CPSF100****College Park Scholars: Life Sciences First-Year Colloquium I**

Credits: 1      Grading Method: Regular

*Restriction: Students must be enrolled in the College Park Scholars Life Sciences (CPSF) program.*

*Introductory colloquium: Examination of issues related to the life sciences.*

|      |                   |                    |
|------|-------------------|--------------------|
| 0101 | Reid Compton      | Seats (Total: 100) |
|      | W 3:30pm - 5:30pm | PLS 1140           |

**CPSG****College Park Scholars-Science and Global Change****Fall 2017****CPSG100****College Park Scholars: Science & Global Change First-Year Colloquium I**

Credits: 1      Grading Method: Regular

*Restriction: Students must be enrolled in the College Park Scholars Science & Global Change (CPSG) program.*

*Introductory colloquium: Examination of issues related to science and global change.*

|      |                          |                   |
|------|--------------------------|-------------------|
| 0101 | John Merck, Thomas Holtz | Seats (Total: 92) |
|      | Tu 3:30pm - 4:50pm       | CCC 1100          |

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**CPSG200****College Park Scholars: Science & Global Change Second-Year Colloquium**

Credits: 1                      Grading Method: Regular

*Prerequisite: CPSG101. Restriction: Students must be enrolled in the College Park Scholars Science & Global Change (CPSG) program.*

*Advanced colloquium: Continued examination of issues related to science and global change.*

|      |                          |                   |
|------|--------------------------|-------------------|
| 0101 | Thomas Holtz, John Merck | Seats (Total: 90) |
|      | M 3:30pm - 4:50pm        | CCC 1100          |

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**CPSN****College Park Scholars-  
International Studies****Fall 2017**

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**CPSN100****College Park Scholars: International Studies First-Year Colloquium I**

Credits: 2                      Grading Method: Regular

*Restriction: Students must be enrolled in the College Park Scholars International Studies (CPSN) program.*

*Introductory colloquium: Examination of issues related to international studies.*

|      |   |  |
|------|---|--|
| 0101 | James Glass, Allison Patch, Catherine Kane, Michael Coates, Patrick O'Brien | Seats (Total: 25)                        |
|      | M 4:45pm - 6:45pm   | ASY 2203                                 |
|      | M 6:45pm - 8:00pm   | ASY 3211                      Discussion |
| 0102 | James Glass, Allison Patch, Catherine Kane, Michael Coates, Patrick O'Brien | Seats (Total: 22)                        |
|      | M 4:45pm - 6:45pm   | ASY 2203                                 |
|      | M 6:45pm - 8:00pm   | ASY 3217                      Discussion |

|      |   |   |            |
|------|---|---|------------|
| 0103 | James Glass, Patrick O'Brien, Michael Coates, Catherine Kane, Allison Patch<br>M 4:45pm - 6:45pm<br>M 6:45pm - 8:00pm | Seats (Total: 25)<br>ASY 2203<br>TWS 1313 | Discussion |
| 0104 | James Glass, Allison Patch, Patrick O'Brien, Michael Coates, Catherine Kane<br>M 4:45pm - 6:45pm<br>M 6:45pm - 8:00pm | Seats (Total: 22)<br>ASY 2203<br>ASY 3203 | Discussion |

## CPSN230

### College Park Scholars: International Studies - Internship Practicum

Credits: 3      Grading Method: Regular

*Prerequisite: CPSN101. Restriction: Students must be enrolled in the College Park Scholars International Studies (CPSN) program.*

*Supervised internship project in an area related to international studies.*

|      |  |                   |
|------|--|-------------------|
| 0101 | Allison Patch<br>Contact instructor or department for details. | Seats (Total: 10) |
|------|--|-------------------|

## CPSP

### College Park Scholars Program

**Fall 2017**

## CPSP218L

### College Park Scholars Second-Year Colloquium I; Life Sciences

(Perm req)

Credits: 1      Grading Method: Regular

*Colloquium for specific College Park Scholars Program.*

Restricted to College Park Scholars - Life Sciences. First lecture of the semester for all sections (including those listed as TBA) will meet on Tuesday, September 2nd, from 4pm-5pm. Location TBA.

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Tammatha O'Brien, Marcia Shofner<br>Tu 4:00pm - 6:00pm | Seats (Total: 25)<br>PLS 1119 |
| 0201 | Reid Compton<br>Th 4:00pm - 6:00pm                     | Seats (Total: 25)<br>PLS 1146 |
| 0301 | Patricia Shields<br>Tu 4:00pm - 6:00pm                 | Seats (Total: 25)<br>PLS 1146 |
| 0401 | Reid Compton<br>Th 4:00pm - 6:00pm                     | Seats (Total: 25)<br>PLS 1119 |

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**CPSP239A****Practicum: Internship**

Credits: 1                      Grading Method: Regular

*Supervised internship in interest area related to the theme of the students' College Park Scholars program.*

|   |                |                   |
|---|----------------|-------------------|
| 0101  | Harold Burgess | Seats (Total: 10) |
| Contact instructor or department for details. |                |                   |

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**CPSP239L****Practicum: Internship**

Credits: 1                      Grading Method: Regular

*Supervised internship in interest area related to the theme of the students' College Park Scholars program.*

**Contact department for information to register for this course.**

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**CPSP239P****Practicum: Internship; Individual Practicum**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Supervised internship in interest area related to the theme of the students' College Park Scholars program.*

|   |                 |                  |
|---|-----------------|------------------|
| 0101  | Instructor: TBA | Seats (Total: 5) |
| Contact instructor or department for details. |                 |                  |

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**CPSP239S****Practicum: Internship; CATCH Clinical Internship**

Credits: 1-3                      Grading Method: Regular

*Supervised internship in interest area related to the theme of the students' College Park Scholars program.*

**Contact department for information to register for this course.**

---

**CPSP249L****Practicum: Service-Learning; Life Sciences**

Credits: 2                      Grading Method: Regular

*Supervised Service-Learning project in area related to the theme of the students' College Park Scholars program.*

Restricted to College Park Scholars - Life Sciences.

|   |              |                   |
|---|--------------|-------------------|
| 0101  | Reid Compton | Seats (Total: 20) |
| Contact instructor or department for details. |              |                   |

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**CPSP259I      Practicum: Research**

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Supervised research project in interest area related to the students' College Park Scholars program.*

**Contact department for information to register for this course.**

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**CPSP259J      Practicum: Research; Media, Self, and Society**

Credits: 1-2      Grading Method: Regular

*Supervised research project in interest area related to the students' College Park Scholars program.*

Restricted to students in College Park Scholars Media, Self, and Society Program

**Contact department for information to register for this course.**

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**CPSP259S      Practicum: Research; CATCH Research Assistantship**

Credits: 1-3      Grading Method: Regular

*Supervised research project in interest area related to the students' College Park Scholars program.*

**Contact department for information to register for this course.**

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**CPSP269B      Practicum: Peer Teaching**

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Supervised peer teaching in students' College Park Scholars program.*

**Contact department for information to register for this course.**

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**CPSP269E      Practicum: Peer Teaching**

Credits: 2      Grading Method: Regular,  
Pass-Fail, Audit

*Supervised peer teaching in students' College Park Scholars program.*

**Contact department for information to register for this course.**

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**CPSP269F      Practicum: Peer Teaching**

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Supervised peer teaching in students' College Park Scholars program.*

**Contact department for information to register for this course.**

---

**CPSP269N      Practicum: Peer Teaching**

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Supervised peer teaching in students' College Park Scholars program.*

**Contact department for information to register for this course.**

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**CPSP318B      College Park Scholars Special Topics; Business, Society and Economics**

(Perm req)

Credits: 1      Grading Method: Regular

*Special Topics learning opportunities in College Park Scholars.*

**Contact department for information to register for this course.**

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**CPSP318N      College Park Scholars Special Topics**

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Special Topics learning opportunities in College Park Scholars.*

**Contact department for information to register for this course.**

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**CPSP339      Advanced Practicum: Internship**

Credits: 1-3      Grading Method: Regular,      General Education: DSSP  
Pass-Fail, Audit

*Independent study designed for students who wish to extend in greater depth and detail projects begun in sophomore year. Subject varies. Overseen by faculty director or mentor.*

**Contact department for information to register for this course.**

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**CPSP349T      Advanced Practicum: Service Learning; STS INFRASTRUCTURE AND SOCIETY S-L PROJECT**

Credits: 3      Grading Method: Regular      General Education: DSSP

*Advanced supervised Service-Learning project.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | David Tomblin        | Seats (Total: 20) |
|      | TuTh 3:30pm - 4:45pm | CCC 1105          |

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**CPSP359B      Advanced Practicum: Research; Using Company Culture to Gain a Competitive Advantage**



Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: DSSP

*Advanced supervised internship experience.*

**Contact department for information to register for this course.**

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**CPSP359N      Advanced Practicum: Research**

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: DSSP

*Advanced supervised internship experience.*

|   |                |                  |
|---|----------------|------------------|
| 0101  | Catherine Kane | Seats (Total: 5) |
| Contact instructor or department for details. |                |                  |

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**CPSP369A      Advanced Practicum: Peer Teaching; Arts**

Credits: 1-3                      Grading Method: Regular

*Supervised advanced practicum in peer instruction.*

**Contact department for information to register for this course.**

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**CPSP369D      Advanced Practicum: Peer Teaching; Science, Discovery, and the Universe**

Credits: 1-3                      Grading Method: Regular

*Supervised advanced practicum in peer instruction.*

**Contact department for information to register for this course.**

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**CPSP369E      Advanced Practicum: Peer Teaching**

Credits: 2                      Grading Method: Regular

*Supervised advanced practicum in peer instruction.*

**Contact department for information to register for this course.**

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**CPSP369G      Advanced Practicum: Peer Teaching**

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Supervised advanced practicum in peer instruction.*

**Contact department for information to register for this course.**

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**CPSP369L      Advanced Practicum: Peer Teaching; Life Sciences**

Credits: 1-3                      Grading Method: Regular

*Supervised advanced practicum in peer instruction.*

**Contact department for information to register for this course.**

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**CPSP369N**

**Advanced Practicum: Peer Teaching; International Studies**

Credits: 1-3                      Grading Method: Regular

*Supervised advanced practicum in peer instruction.*

**Contact department for information to register for this course.**

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**CPSP369P**

**Advanced Practicum: Peer Teaching; Public Leadership**

Credits: 1-3                      Grading Method: Regular

*Supervised advanced practicum in peer instruction.*

**Contact department for information to register for this course.**

---

**CPSP369T**

**Advanced Practicum: Peer Teaching; Science, Technology, and Society**

(Perm req)

Credits: 1-3                      Grading Method: Regular

*Supervised advanced practicum in peer instruction.*

**Contact department for information to register for this course.**

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**CPSP388B**

**Advanced Special Topics in College Park Scholars; Business, Soc, Economics: Innovation**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Interdisciplinary topics of special interest to College Park Scholars, such as legacies of the cold war, environmental ethics, women in leadership, and other timely issues. Projects build on previous work in College Park Scholars.*

**Contact department for information to register for this course.**

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**CPSP388E**

**Advanced Special Topics in College Park Scholars; Advanced Special Topics in College Park Scholars**

Credits: 2                      Grading Method: Regular,  
Pass-Fail, Audit

*Interdisciplinary topics of special interest to College Park Scholars, such as legacies of the cold war, environmental ethics, women in leadership, and other timely issues. Projects build on previous work in College Park Scholars.*

Independent study to allow continuation of Connection Project from CPET101.

**Contact department for information to register for this course.**

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## CPSS100

**College Park Scholars: Science, Technology & Society First-Year Colloquium I**

Credits: 2

Grading Method: Regular

*Restriction: Students must be enrolled in the College Park Scholars Science, Technology & Society (CPSS) program.*

*Introductory colloquium: Examination of issues related to science, technology and society.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | David Tomblin     | Seats (Total: 90) |
|      | M 3:15pm - 5:00pm | CCC 1205          |

## CPSS225

**College Park Scholars Capstone: Science, Technology, and Society**

Credits: 3

Grading Method: Regular,  
Pass-Fail, AuditGeneral Education: DSHS,  
SCIS

*Prerequisite: CPSS100. Restriction: Must be in the College Park Scholars Science, Technology & Society (CPSS) program. Formerly: CPSP227.*

*Exploration and understanding of ways science and technology shape and are shaped by society.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Thomas Zeller         | Seats (Total: 20) |
|      | TuTh 9:30am - 10:45am | CCC 1105          |
| 0201 | Nicole Mogul          | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | CCC 1105          |

## CPSS240

**College Park Scholars: Science, Technology & Society - Service-Learning Practicum**

Credits: 3

Grading Method: Regular

General Education: DSSP,  
SCIS

*Prerequisite: CPSS101; or permission of instructor. Restriction: Matriculation into the College Park Scholars Science, Technology & Society (CPSS) program; or permission of instructor.*

*Supervised Service-Learning practicum in issues related to science, technology and society.*

Most of the class times will be spent at area Prince George's schools with partnering robotics teams. Consult the class requirements and locations provided in the syllabus at the beginning of the class.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Matthew Aruch        | Seats (Total: 10) |
|      | TuTh 2:00pm - 3:15pm | CBD 1140          |

|      |                      |                   |
|------|----------------------|-------------------|
| 0201 | Matthew Aruch        | Seats (Total: 25) |
|      | TuTh 3:30pm - 4:45pm | CBD 1140          |

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## DANC Dance Fall 2017

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### DANC109 Improvisation I

(Perm req)

Credits: 2

Grading Method: Regular,  
Pass-Fail, Audit

*An introduction to the process of spontaneous movement discovery involving solo and group movement experiences.*

Prerequisite: by permission of department. Students must pay a \$25.00 lab fee.

|      |                        |                   |
|------|------------------------|-------------------|
| 5501 | Sara Pearson           | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | PAC 1912 Lab      |

### DANC128 Fundamentals of Ballet

Credits: 2

Grading Method: Regular,  
Pass-Fail, Audit

*Introduction to ballet technique and terminology for the beginning student.*

Students must pay a \$25 lab fee.

|      |                        |                   |
|------|------------------------|-------------------|
| 5501 | Chunhui Xing           | Seats (Total: 25) |
|      | TuTh 11:00am - 12:15pm | PKT 2102          |

### DANC138C World Dance Forms; Chinese Dance

Credits: 2

Grading Method: Regular, , D  
Pass-Fail, Audit

*Movement course. Traditional dances and music of selected cultures.*

Students must pay a \$25 lab fee.

|      |                       |                   |
|------|-----------------------|-------------------|
| 5501 | Chunhui Xing          | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | PKT 2102          |

### DANC138P World Dance Forms; Hip Hop

Credits: 2

Grading Method: Regular, , D  
Pass-Fail, Audit

*Movement course. Traditional dances and music of selected cultures.*

Students must pay a \$25 course fee.

|      |                                       |                               |
|------|---------------------------------------|-------------------------------|
| 5501 | Mariama Law<br>MW 2:00pm - 3:15pm     | Seats (Total: 25)<br>PAC 1908 |
| 5502 | Mariama Law<br>TuTh 11:00am - 12:15pm | Seats (Total: 25)<br>PAC 1610 |
| 5503 | Carlos Funn<br>MW 3:30pm - 4:45pm     | Seats (Total: 25)<br>PAC 1912 |

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**DANC138W      World Dance Forms; World Dance Forms: West African Dance**

Credits: 2                      Grading Method: Regular,                      , D  
   Pass-Fail, Audit

*Movement course. Traditional dances and music of selected cultures.*

Students must pay a \$25.00 lab fee.

|      |   |                               |     |
|------|---|-------------------------------|-----|
| 5501 | Mustapha Braimah<br>TuTh 2:00pm - 3:15pm  | Seats (Total: 24)<br>PAC 1912 | Lab |
| 5502 | Mustapha Braimah<br>TuTh 12:30pm - 1:45pm | Seats (Total: 25)<br>PAC 1912 | Lab |

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**DANC148      Fundamentals of Modern Dance**

Credits: 2                      Grading Method: Regular,  
   Pass-Fail, Audit

*Introduction to modern dance with emphasis on the development of fundamental movement skills.*

Students must pay a \$25.00 lab fee.

|      |  |                               |     |
|------|--|-------------------------------|-----|
| 5501 | Latefia Bradley<br>TuTh 9:30am - 10:45am | Seats (Total: 20)<br>PAC 1912 | Lab |
| 5502 | Ronya Anderson<br>MW 2:00pm - 3:15pm     | Seats (Total: 30)<br>PKT 2102 | Lab |

|      |                        |                   |     |
|------|------------------------|-------------------|-----|
| 5503 | Stacey Carlson         | Seats (Total: 30) |     |
|      | TuTh 11:00am - 12:15pm | PAC 1908          | Lab |

### **DANC179      Movement Integration**

(Perm req)

Credits: 2      Grading Method: Regular,  
Pass-Fail, Audit

*Conditioning and re-patterning techniques for achieving integrated movement.*

Students must pay a \$25.00 lab fee.

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 5501 | Adriane Fang         | Seats (Total: 20) |     |
|      | TuTh 2:00pm - 3:15pm | PAC 1611          | Lab |

### **DANC199      Practicum in Choreography, Production and Performance I**

(Perm req)

Credits: 1-2      Grading Method: Regular,  
Pass-Fail, Audit

*Choreography, production, and performance of student works, both on and off campus.*

**Contact department for information to register for this course.**

### **DANC200      Introduction to Dance**

Credits: 3      Grading Method: Regular,      CORE: HA, D      General Education: DSSP  
Pass-Fail, Audit

*A study of dance as a form of communication and as an art form; a survey of the theories and styles of dance, and their relationships to other art forms.*

|   |                       |                   |  |
|---|-----------------------|-------------------|--|
| 0101  | Ronya Anderson        | Seats (Total: 25) |  |
|   | MWF 8:00am - 8:50am   | PAC 1809          |  |
| 0201  | Christine Hands       | Seats (Total: 10) |  |
|   | TuTh 12:30pm - 1:45pm | TWS 1320          |  |
| 0301  | Stacey Carlson        | Seats (Total: 25) |  |
|   | TuTh 3:30pm - 4:45pm  | TWS 1320          |  |
| FC01  | Lisa Traiger          | Seats (Total: 25) |  |
|   | MW 6:00pm - 7:15pm    | ASY 3221          |  |
| <i>Restricted to students in Freshmen Connection.</i> |                       |                   |  |

**DANC200S****Introduction to Dance**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: HA, D      General Education: DSSP

*A study of dance as a form of communication and as an art form; a survey of the theories and styles of dance, and their relationships to other art forms.*

Restricted to College Park Scholars - Arts.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0201 | Christine Hands       | Seats (Total: 15) |
|      | TuTh 12:30pm - 1:45pm | TWS 1320          |

**DANC207****The Creative Process**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: DANC109. Restriction: Permission of ARHU-Dance department.*

*Explorations in movement, music, words, objects, and environments through improvisation and choreographic problem solving.*

Students must pay a \$25.00 lab fee.

|      |                       |                   |
|------|-----------------------|-------------------|
| 5501 | Carlos Funn           | Seats (Total: 15) |
|      | MWF 11:00am - 12:20pm | PAC 1908          |

**DANC209****Dance Composition**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Exploration of the structural elements of dance composition.*

Prerequisite: DANC207 and permission of department. Students must pay a \$25.00 lab fee.

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 5501 | Carlos Funn           | Seats (Total: 15) |     |
|      | MWF 11:00am - 12:20pm | PAC 1908          | Lab |

**DANC218****Foundations of Technique I**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Development of heightened body awareness, breath support, dynamic alignment, and spatial awareness. Focus on rhythmic clarity and musicality.*

Prerequisite: permission of department. Students must pay a \$25.00 lab fee.

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 5501 | Alvin Mayes          | Seats (Total: 17) |     |
|      | MWF 9:00am - 10:50am | PAC 1912          | Lab |

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**DANC219 Foundations of Technique II**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Continuation of the elements addressed in DANC218 with an added focus o momentum, the use of counter-tension, stability/mobility, suspension, and dynamic range.*

Prerequisite: DANC218 and permission of department. Students must pay a \$25.00 lab fee.

|      |                      |                  |     |
|------|----------------------|------------------|-----|
| 5501 | Alvin Mayes          | Seats (Total: 8) |     |
|      | MWF 9:00am - 10:50am | PAC 1912         | Lab |

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**DANC228 Ballet I**

(Perm req)

Credits: 2      Grading Method: Regular,  
Pass-Fail, Audit

*Barre and center work for alignment, strength, flexibility and coordination. Introduction to ballet terminology.*

Prerequisite: permission of department. Students must pay a \$25.00 lab fee.

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 5501 | Christine Hands       | Seats (Total: 27) |     |
|      | TuTh 9:30am - 10:45am | PAC 1908          | Lab |

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**DANC229 Ballet II**

(Perm req)

Credits: 2      Grading Method: Regular,  
Pass-Fail, Audit

*Continuation of DANC228.*

Prerequisite: permission of department. Students must pay a \$25.00 lab fee.

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 5501 | Mané Rebelo-Plaut     | Seats (Total: 25) |     |
|      | TuTh 12:30pm - 1:45pm | PAC 1908          | Lab |

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**DANC299 Practicum in Choreography, Production and Performance II**



(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Continuation of DANC199.*

**Contact department for information to register for this course.**

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**DANC304**

**Teaching Dance**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of ARHU-Dance department.*

*Organization and content of the studio dance class. Structuring developmentally appropriate dance experiences for students ages 3-18.*

Students must pay a \$25.00 lab fee.

|      |                    |                   |
|------|--------------------|-------------------|
| 5501 | Crystal Davis      | Seats (Total: 20) |
|      | MW 2:00pm - 3:15pm | PAC 1611          |

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**DANC318**

**Foundations of Technique III**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Continuation of the elements addressed in DANC219 with an added focus on off-verticality, spirals, complex level changes, more complex and extended phrasing, responsiveness to accompaniment, vocalization.*

Prerequisite: DANC219 and permission of department. Students must pay a \$25.00 lab fee.

|      |                      |                   |
|------|----------------------|-------------------|
| 5502 | Adriane Fang         | Seats (Total: 11) |
|      | MWF 12:30pm - 2:20pm | PAC 1912      Lab |

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**DANC319**

**Foundations of Technique IV**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Continuation of the elements addressed in DANC318 with an added focus on movement subtlety and complexity, and stylistic demands.*

Prerequisite: DANC318 and permission of department. Students must pay a \$25.00 lab fee.

|      |                      |                   |
|------|----------------------|-------------------|
| 5501 | Adriane Fang         | Seats (Total: 14) |
|      | MWF 12:30pm - 2:20pm | PAC 1912      Lab |

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**DANC328****Ballet III**

Credits: 2

Grading Method: Regular,  
Pass-Fail, Audit*Execution of the vocabulary of ballet movement with technical accuracy.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 5501 | Mané Rebelo-Plaut     | Seats (Total: 10) |
|      | TuTh 12:30pm - 1:45pm | PAC 1908          |

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**DANC329****Ballet IV**

Credits: 2

Grading Method: Regular,  
Pass-Fail, Audit*Continuation of DANC328.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 5501 | Mané Rebelo-Plaut     | Seats (Total: 10) |
|      | TuTh 12:30pm - 1:45pm | PAC 1908          |

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**DANC371****Somatics**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit*Prerequisite: DANC179. Restriction: Permission of ARHU-Dance department.**Current ideas and trends in dance technique, with a focus on the incorporation of dance science and somatics into dance training.*

Students must pay a \$25.00 lab fee.

|      |                        |                   |
|------|------------------------|-------------------|
| 5501 | Crystal Davis          | Seats (Total: 15) |
|      | TuTh 11:00am - 12:15pm | PAC 1611          |

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**DANC386****Experiential Learning**

(Perm req)

Credits: 3-6

Grading Method: Regular,  
Pass-Fail*Restriction: Junior standing or higher; and permission of ARHU-School of Theatre, Dance & Performance Studies department.***Contact department for information to register for this course.**

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**DANC398****Directed Studies in Dance**

(Perm req)

Credits: 1-6

Grading Method: Regular

|      |   |                  |
|------|---|------------------|
| 0101 | Patrik Widrig                                 | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |
| 0201 | Sara Pearson                                  | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |
| 0301 | Maura Keefe                                   | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |
| 0401 | Alvin Mayes                                   | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0501 | Paul Jackson                                  | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |
| 0601 | Carlos Funn                                   | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |
| 0701 | Instructor: TBA                               | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |
| 0801 | Instructor: TBA                               | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |
| 0901 | Instructor: TBA                               | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |
| 1001 | Adriane Fang                                  | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |

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**DANC398Y**

**Directed Studies in Dance; Yoga, Improvisation, and Embodied Metaphors: Investigating Philosophy through Movement**

Credits: 2      Grading Method: Regular,  
Pass-Fail, Audit

Students must pay a \$25 course fee.

|      |                      |                   |
|------|----------------------|-------------------|
| 5501 | Shawn Stone          | Seats (Total: 25) |
|      | TuTh 3:30pm - 4:45pm | PKT 2102          |

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**DANC399**

**Practicum in Choreography, Production and Performance III**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Continuation of DANC299.*

Prerequisite: DANC299.

**Contact department for information to register for this course.**

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**DANC448**

**Modern Dance V**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Complex phrases of modern dance movement with emphasis on articulation and expression.*

Prerequisite: DANC349 and aududition. Students must pay a \$25.00 lab fee.

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 5501 | Patrik Widrig        | Seats (Total: 10) |     |
|      | MWF 9:00am - 10:50am | PAC 1908          | Lab |

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**DANC449**

**Modern Dance VI**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Continuation of DANC448.*

Prerequisite: DANC 448 and permission from the department Students must pay a \$25.00 lab fee.

|      |                      |                  |     |
|------|----------------------|------------------|-----|
| 5501 | Patrik Widrig        | Seats (Total: 5) |     |
|      | MWF 9:00am - 10:50am | PAC 1908         | Lab |

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**DANC468**

**Modern Repertory**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Form, content, music, design and performance of modern dance works.*

Students must pay a \$25 course fee.

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 5501 | Alvin Mayes        | Seats (Total: 12) |  |
|      | MW 3:30pm - 5:30pm | PAC 1908          |  |

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**DANC488**

**Project-Based Learning**

(Perm req)

Credits: 4

Grading Method: Regular,  
Pass-Fail, Audit

*A specific project, is addressed, in dance from the perspectives of the investigator, the creator/choreographer, and the performer. Projects are cross-disciplinary and/or cross-cultural, and may involve both on- and off-campus experiences.*

Students must pay a \$25.00 lab fee.

|      |                      |                   |
|------|----------------------|-------------------|
| 5501 | Maura Keefe          | Seats (Total: 15) |
|      | TuTh 2:00pm - 5:00pm | PAC 1908          |

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### **DANC499**

#### **Practicum in Choreography, Production and Performance IV**

(Perm req)

Credits: 1-6

Grading Method: Regular,  
Pass-Fail, Audit

*Advanced workshop in dance presentation, including performing, production and planned field experiences.*

Prerequisite: DANC 399.

**Contact department for information to register for this course.**

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### **DANC600**

#### **Introduction to Graduate Studies in Dance**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department.*

*Supervised writing of reports and articles on selected dance subjects. Study of library resources and interviewing techniques. Preparation for written documentation of thesis project.*

|      |                     |                  |
|------|---------------------|------------------|
| 0101 | Maura Keefe         | Seats (Total: 5) |
|      | Tu 9:30am - 12:15pm | PAC 1924         |

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### **DANC604**

#### **Dance Pedagogy**

(Perm req)

Credits: 2

Grading Method: Regular,  
Audit

*Restriction: Must be admitted to MFA in Dance; or permission of ARHU-School of Theatre, Dance & Performance Studies department.*

*Curriculum writing, lesson planning, class structure, assessment/grading, and practice in dance pedagogy. Includes preparation of syllabi and studio teaching practice. This course counts towards teaching certification in the State of Maryland.*

Students must pay a \$25.00 lab fee.

|      |                    |                  |
|------|--------------------|------------------|
| 5501 | Crystal Davis      | Seats (Total: 5) |
|      | Th 3:30pm - 5:30pm | PAC 1924         |

**DANC608**      **Choreography I**

Credits: 3      Grading Method: Regular, Audit

*Developing and defining individual choreographic voice and vision in a shared studio setting.*

Prerequisite: Admission to MFA in Dance or permission of department. Students must pay a \$25.00 lab fee. Developing and defining individual choreographic voice and vision in a shared studio setting.

|      |                       |                  |     |
|------|-----------------------|------------------|-----|
| 5501 | Sara Pearson          | Seats (Total: 5) |     |
|      | MWF 11:00am - 12:50pm | PAC 1610         | Lab |

**DANC610      Workshop in the Direction of Dance Production**

(Perm req)

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: DANC410; or students who have taken courses with comparable content may contact the department.*

*A lecture/laboratory course dealing with the relationship of the director to all of the activities involved in the presentation of a dance concert.*

|      |                            |                  |
|------|----------------------------|------------------|
| 5501 | Cary Gillett, Paul Jackson | Seats (Total: 5) |
|      | MW 12:30pm - 1:45pm        | PAC 1924         |

**DANC647      Movement Practice**

(Perm req)

Credits: 2      Grading Method: Regular

*Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department.*

*Experiential studio work that generates common movement vocabulary and innovations of same in a shared, faculty-led exploration of movement for the purpose of generating vocabulary for technique, choreography, and pedagogy.*

Students must pay a \$25.00 lab fee.

|   |               |                  |
|---|---------------|------------------|
| 5501  | Patrik Widrig | Seats (Total: 5) |
| Contact instructor or department for details. |               |                  |

|      |   |                  |
|------|---|------------------|
| 5502 | Sara Pearson                                  | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 5504 | Alvin Mayes                                   | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 5507 | Crystal Davis                                 | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 5508 | Adriane Fang                                  | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 5510 | Maura Keefe                                   | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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**DANC648      Advanced Modern Dance Technique I**

Credits: 2                      Grading Method: Regular,  
   Audit

*Professional level training in contemporary dance techniques.*

Students must pay a \$25.00 lab fee.

|      |                      |                  |     |  |
|------|----------------------|------------------|-----|--|
| 5501 | Patrik Widrig        | Seats (Total: 5) |     |  |
|      | MWF 9:00am - 10:50am | PAC 1908         | Lab |  |

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**DANC649      Advanced Modern Dance Technique II**

Credits: 2                      Grading Method: Regular,  
   Audit

*A continuation of DANC 648.*

Students must pay a \$25.00 lab fee.

|      |                      |                  |     |  |
|------|----------------------|------------------|-----|--|
| 5501 | Patrik Widrig        | Seats (Total: 5) |     |  |
|      | MWF 9:00am - 10:50am | PAC 1908         | Lab |  |

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**DANC678      Individual Movement Practice**

(Perm req)                      Credits: 2                      Grading Method: Regular

*Students in consultation with the adviser, propose a specific movement practice and can select the practice from the range of technique offerings in the program. Additional work in documenting and providing evidence of growth towards individual outcomes is required.*

|      |   |                  |
|------|---|------------------|
| 0101 | Patrik Widrig                                 | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0201 | Sara Pearson                                  | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0301 | Maura Keefe                                   | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0401 | Alvin Mayes                                   | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0701 | Crystal Davis                                 | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 1001 | Adriane Fang                                  | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

## DANC679

### Graduate Dance Performance

Credits: 1-3

Grading Method: Regular,  
Audit

*An advanced performance course focusing on the restagings from noted scores of the choreographic works of significant artists in the field.*

|      |   |                  |
|------|---|------------------|
| 0101 | Patrik Widrig                                 | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0201 | Sara Pearson                                  | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0301 | Maura Keefe                                   | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0401 | Alvin Mayes                                   | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0501 | Paul Jackson                                  | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |



|   |                 |                  |
|---|-----------------|------------------|
| 0601  | Maura Keefe     | Seats (Total: 5) |
| Contact instructor or department for details. |                 |                  |
| 0701  | Crystal Davis   | Seats (Total: 5) |
| Contact instructor or department for details. |                 |                  |
| 0801  | Instructor: TBA | Seats (Total: 5) |
| Contact instructor or department for details. |                 |                  |
| 1001  | Adriane Fang    | Seats (Total: 5) |
| Contact instructor or department for details. |                 |                  |

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**DANC689**
**Special Topics in Dance**

Credits: 1-6      Grading Method: Regular,  
Audit

*Special Topics in dance theory, research or creative projects.*

**Contact department for information to register for this course.**

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**DANC689I**
**Special Topics in Dance; Teaching Internship**

(Perm req)

Credits: 5      Grading Method: Regular,  
Audit

*Special Topics in dance theory, research or creative projects.*

|   |               |                  |
|---|---------------|------------------|
| CE01  | Crystal Davis | Seats (Total: 5) |
| Contact instructor or department for details. |               |                  |

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**DANC698**
**Independent Study in Dance**

Credits: 1-3      Grading Method: Regular,  
Audit

*Directed independent study in theoretical topics.*

**Contact department for information to register for this course.**

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**DANC719**
**Choreographic Project**

Credits: 3      Grading Method: Regular,  
Audit

*Research-based choreographic projects in preparation for the choreographed thesis project.*

Prerequisite: Admission to MFA in Dance or permission of department. Students must pay a \$25.00 lab fee. Research-based choreographic projects in preparation for the choreographed thesis project.

|      |                    |                  |
|------|--------------------|------------------|
| 5501 | Maura Keefe        | Seats (Total: 5) |
|      | MW 3:30pm - 5:30pm | PAC 1611         |

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**DANC777 Internship in Dance**

(Perm req)

Credits: 6      Grading Method: Sat-Fail

*Restriction: Must be admitted to MFA in Dance; or permission of ARHU-School of Theatre, Dance & Performance Studies department.*

*Internship in dance advocacy, administration, education, community building, choreography, or performance with an agency off campus and with a national or international profile.*

|      |   |                  |
|------|---|------------------|
| 0101 | Patrik Widrig                                 | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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**DANC788 Master's Tutorial for Choreography; Graduate Tutorial**

Credits: 1-3      Grading Method: Regular,  
Audit

*Supervised production and presentation of a significant choreographic project.*

**Contact department for information to register for this course.**

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**DANC799 Master's Thesis Project**

Credits: 1-6      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**EALL East Asian Languages and Literatures**

**Fall 2017**

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**EALL300 The Languages of East Asia**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      , D      General Education: DVUP

*A survey of Chinese, Japanese, and Korean, and the languages of other East Asian nationalities. Provides a basic understanding of the structures of these languages. Topics covered include the characterizing features; the relationships of the languages to each other; the geographical, social, and historical settings. No knowledge of Asian languages is required. Taught in English.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Samuel Ramsey      | Seats (Total: 30) |
|      | MW 3:30pm - 4:45pm | JMZ 0103          |

## ECON Economics

Fall 2017

### ECON111 Thinking Like an Economist

Credits: 3

Grading Method: Regular

General Education: DSHS,  
SCIS

*Restriction: Sophomore standing or lower; or permission of BSOS-Economics department.*

*An introduction to the modes of thought of economics. Use of simple standard tools of economics to analyze important problems that arise frequently in public policy, the news media, and in daily life. An emphasis on how economists predict what choices societies make and how economists analyze whether those are good choices. Practical application of a variety of economic tools leading to a focus on the essential unity underlying these analytical tools, viewing economics as a discipline that applies a core methodology in different ways in different situations.*

|      |                      |                     |
|------|----------------------|---------------------|
| 0101 | Peter Murrell        | Seats (Total: 20)   |
|      | TuTh 2:00pm - 2:50pm | SHM 2102            |
|      | F 9:00am - 9:50am    | LEF 1220 Discussion |
| 0102 | Peter Murrell        | Seats (Total: 20)   |
|      | TuTh 2:00pm - 2:50pm | SHM 2102            |
|      | F 10:00am - 10:50am  | LEF 1221 Discussion |
| 0103 | Peter Murrell        | Seats (Total: 20)   |
|      | TuTh 2:00pm - 2:50pm | SHM 2102            |
|      | F 12:00pm - 12:50pm  | TYD 2109 Discussion |
| 0104 | Peter Murrell        | Seats (Total: 20)   |
|      | TuTh 2:00pm - 2:50pm | SHM 2102            |
|      | F 12:00pm - 12:50pm  | TYD 1118 Discussion |
| 0105 | Peter Murrell        | Seats (Total: 20)   |
|      | TuTh 2:00pm - 2:50pm | SHM 2102            |
|      | F 1:00pm - 1:50pm    | TYD 1108 Discussion |
| 0106 | Peter Murrell        | Seats (Total: 20)   |
|      | TuTh 2:00pm - 2:50pm | SHM 2102            |
|      | F 2:00pm - 2:50pm    | TYD 1114 Discussion |

|      |                        |                   |
|------|------------------------|-------------------|
| 0201 | Peter Murrell          | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | TYD 1114          |

## ECON181

### Incentives for Sustainability: An Economist's Perspective

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSHS, SCIS

*How does society balance the benefits of environmental protection and preservation against the costs? Though some might say that the environment is priceless, economists recognize that every action involves trade-offs. This course investigates sustainability through comparing costs and benefits. From this perspective, other questions arise: How can we design policies that incentivize sustainable choices? Why might usual market functioning fail to achieve sustainability? Do we need to put a price on the environment in order to protect it? How do we measure an economy's "success"? This course explores the answers to these and other related questions from an economist's perspective.*

|      |                     |                          |
|------|---------------------|--------------------------|
| 0101 | Erin Moody          | Seats (Total: 20)        |
|      | MW 2:00pm - 2:50pm  | SHM 2102                 |
|      | F 9:00am - 9:50am   | TYD 2111      Discussion |
| 0102 | Erin Moody          | Seats (Total: 20)        |
|      | MW 2:00pm - 2:50pm  | SHM 2102                 |
|      | F 10:00am - 10:50am | TYD 1114      Discussion |
| 0103 | Erin Moody          | Seats (Total: 20)        |
|      | MW 2:00pm - 2:50pm  | SHM 2102                 |
|      | F 11:00am - 11:50am | TYD 0102      Discussion |
| 0104 | Erin Moody          | Seats (Total: 20)        |
|      | MW 2:00pm - 2:50pm  | SHM 2102                 |
|      | F 12:00pm - 12:50pm | TYD 1108      Discussion |
| 0105 | Erin Moody          | Seats (Total: 20)        |
|      | MW 2:00pm - 2:50pm  | SHM 2102                 |
|      | F 1:00pm - 1:50pm   | TYD 2111      Discussion |
| 0106 | Erin Moody          | Seats (Total: 20)        |
|      | MW 2:00pm - 2:50pm  | SHM 2102                 |
|      | F 2:00pm - 2:50pm   | TYD 1108      Discussion |

## ECON200

### Principles of Microeconomics

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: SB      General Education: DSHS

*Prerequisite: MATH107 or MATH110; or must have math eligibility of MATH113 or higher. Credit only granted for: ECON200, AREC240, or AREC250. Additional information: It is recommended that students complete ECON200 before taking ECON201.*

*Introduces economic models used to analyze economic behavior by individuals and firms and consequent market outcomes. Applies conceptual analysis to several policy issues and surveys a variety of specific topics within the broad scope of microeconomics.*

|   |                        |                    |
|---|------------------------|--------------------|
| 0101  | Robert Schwab          | Seats (Total: 350) |
|   | TuTh 9:30am - 10:45am  | TYD 0130           |
| 0201  | Robert Schwab          | Seats (Total: 350) |
|   | TuTh 11:00am - 12:15pm | TYD 0130           |
| 0301  | Hossein Abbasi         | Seats (Total: 350) |
|   | TuTh 12:30pm - 1:45pm  | TYD 0130           |
| FC01  | Hossein Abbasi         | Seats (Total: 221) |
|   | MW 7:30pm - 8:45pm     | SKN 0200           |
| <i>Restricted to students in Freshmen Connection.</i> |                        |                    |

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## **ECON201      Principles of Macroeconomics**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: SB      General Education: DSHS

*Prerequisite: MATH107 or MATH110; or must have math eligibility of MATH113 or higher.  
Recommended: ECON200. Credit only granted for: ECON201 or ECON205.*

*An introduction to how market economies behave at the aggregate level. The determination of national income/output and the problems of unemployment inflation, will be examined, along with monetary and fiscal policy.*

|      |                      |                    |
|------|----------------------|--------------------|
| 0101 | John Neri            | Seats (Total: 440) |
|      | MW 2:00pm - 3:15pm   | TYD 0130           |
| 0201 | John Shea            | Seats (Total: 250) |
|      | TuTh 2:00pm - 3:15pm | SKN 0200           |

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## **ECON230      Applied Economic Statistics**

Credits: 3      Grading Method: Regular

*Prerequisite: Must have math eligibility of MATH113 or higher; or 1 course with a minimum grade of C- from (MATH107, MATH110). And minimum grade of C- in ECON200 and ECON201. Recommended: Students should already have basic familiarity with Microsoft Excel or similar spreadsheet software. Restriction: Must be in Economics Bachelor of Arts program. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, INST314, JOUR405, PSYC200 or SOCY201. (These courses do not necessarily meet the same major requirements-check with your advisor to see which of these courses will count for your major).*

*Introductory course to develop understanding of statistical concepts used in applied economics. Students will acquire skills needed to calculate and interpret statistical concepts, including descriptive statistics, probability, discrete and continuous distributions, sampling, point and interval estimations, hypothesis testing, basic analysis of variance, and simple linear regression models. Students will apply these concepts to data using both handheld calculators and spreadsheets(Excel), and students will be introduced to an econometric software package such as SPSS or SAS or R.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Satyendra Verma       | Seats (Total: 70) |
|      | MWF 10:00am - 10:50am | TYD 1102          |

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### **ECON258C      Special Topics in Study Abroad II; Chinese Economy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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### **ECON305      Intermediate Macroeconomic Theory and Policy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: Minimum grade of C- in ECON201 and ECON200. And 1 course with a minimum grade of C- from (MATH120, MATH140, MATH130); or must have completed MATH220 with a minimum grade of C-. Credit only granted for: ECON305 or ECON325.*

*Analysis of the determination of national income, employment, and price levels. Discussion of consumption, investment, inflation, and government fiscal and monetary policy.*

|      |                        |                    |
|------|------------------------|--------------------|
| 0101 | John Neri              | Seats (Total: 200) |
|      | MWF 12:00pm - 12:50pm  | HJP 0226           |
| 0201 | Martina Copelman       | Seats (Total: 75)  |
|      | TuTh 9:30am - 10:45am  | TWS 0320           |
| 0301 | Martina Copelman       | Seats (Total: 75)  |
|      | TuTh 11:00am - 12:15pm | TWS 0320           |

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**ECON306 Intermediate Microeconomic Theory & Policy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: 1 course with a minimum grade of C- from (ECON200, AREC250); and minimum grade of C- in ECON201. And 1 course with a minimum grade of C- from (MATH120, MATH140, MATH130); or must have completed MATH220 with a minimum grade of C-. Credit only granted for: ECON306, ECON326, AREC489M, or AREC326.*

*Analysis of the theories of consumer behavior, producer behavior, different market structures, and various sources of inefficient outcomes. Analysis of microeconomic policies designed to improve market outcomes.*

|      |  |                                |
|------|--|--------------------------------|
| 0101 | Peter Coughlin<br>TuTh 3:30pm - 4:45pm   | Seats (Total: 200)<br>KEY 0106 |
| 0201 | Aaron Finkle<br>MWF 9:00am - 9:50am      | Seats (Total: 70)<br>TYD 2109  |
| 0301 | Satyendra Verma<br>MWF 12:00pm - 12:50pm | Seats (Total: 70)<br>TYD 1102  |
| 0401 | Satyendra Verma<br>MWF 1:00pm - 1:50pm   | Seats (Total: 70)<br>TYD 1102  |

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**ECON311 American Economic History Before the Civil War**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ECON200 and ECON201. Restriction: Must be in Economics Bachelor of Arts program.*

*Economic concepts are used to analyze various aspects of the founding and early history of the U.S., including the British settlement of the North American colonies, the economics of the American Revolutionary war, the writing of the Constitution, the development of financial markets, policies on public lands and the spread of western agriculture, slavery, banking, and early industrialization.*

|      |                                      |                                |
|------|--------------------------------------|--------------------------------|
| 0101 | John Wallis<br>TuTh 9:30am - 10:45am | Seats (Total: 180)<br>SHM 2102 |
|------|--------------------------------------|--------------------------------|

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**ECON312 American Economics After the Civil War**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ECON200 and ECON201. Restriction: Must be in Economics Bachelor of Arts program.*

*Topics include: the economics of the Civil War, the performance of southern agriculture in the late 19th century, the rise of large corporations, industrialization, the development of financial markets, the creation of the Federal Reserve Board, the economics of the Great Depression and the New Deal, the economic impact of World War II, and the rise of the modern service economy in the late 20th century.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Alka Gandhi         | Seats (Total: 38) |
|      | MWF 1:00pm - 1:50pm | TYD 2110          |

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**ECON314                      Economic History, Development and Policy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ECON200 and ECON201.*

*Study abroad in the economic history, institutional development, and recent economic policy problems of selected areas.*

**Contact department for information to register for this course.**

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**ECON315                      Economic Development of Underdeveloped Areas**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ECON200 and ECON201. Credit only granted for: ECON315 or ECON416.*

*Analysis of the economic and social characteristics of underdeveloped areas. Recent theories of economic development, obstacles to development, policies and planning for development.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Bryan Hardy            | Seats (Total: 38) |
|      | TuTh 11:00am - 12:15pm | TYD 2109          |
| 0201 | Shanjukta Nath         | Seats (Total: 38) |
|      | MWF 11:00am - 11:50am  | TYD 2108          |



|  |                     |                   |
|--|---------------------|-------------------|
| SG91   | Stefania Scandizzo  | Seats (Total: 50) |
|  | MW 12:30pm - 1:45pm | BLD3 3230         |
| <i>Restricted to BMGT-Shady Grove Seniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i> |                     |                   |

## ECON317

### Global Economic Policies

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ECON200 and ECON201. Restriction: Must be in Economics Bachelor of Arts program.*

*Analysis of policy options and debates on fostering economic growth and development in a global economy where national boundaries are no longer relevant. Topics covered will include real loanable funds markets in both local and international contexts during normal conditions and during financial crises, the design of trade and industrial policies, and the role of the World Bank, IMF, WTO, and other international agencies as well as regional and bilateral trade agreements. Emerging economies will be emphasized.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Naveen Sarna         | Seats (Total: 40) |
|      | TuTh 2:00pm - 3:15pm | TYD 0111          |
| 0201 | Naveen Sarna         | Seats (Total: 40) |
|      | TuTh 3:30pm - 4:45pm | TYD 0111          |
| 0301 | Naveen Sarna         | Seats (Total: 40) |
|      | TuTh 5:00pm - 6:15pm | TYD 0111          |
| 0401 | Martina Copelman     | Seats (Total: 40) |
|      | TuTh 2:00pm - 3:15pm | TYD 2111          |

## ECON321

### Economic Statistics

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ECON201 and ECON200; and minimum grade of C- in MATH141. Recommended: STAT100. Restriction: Must be in Economics Bachelor of Science program. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, INST314, JOUR405, PSYC200 or SOCY201. (These courses do not necessarily meet the same major requirements-check with your advisor to see which of these courses will count for your major).*

*Introduction to the use of statistics in economics. Topics include: Probability, random variables and their distributions, sampling theory, estimation, hypothesis testing, analysis of variance, regression analysis and correlation.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Andrew Sweeting       | Seats (Total: 70) |
|      | MWF 11:00am - 11:50am | TYD 2106          |

## ECON325

### Intermediate Macroeconomic Analysis

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ECON200, ECON201, and MATH141. Restriction: Must be in Economics Bachelor of Science program. Credit only granted for: ECON305 or ECON325.*

*Analysis of macroeconomic behavior and policy with emphasis on theoretical rigor. Topics include the determinants of economic growth, unemployment, inflation, and international economic flows.*

|      |                     |                                  |
|------|---------------------|----------------------------------|
| 0101 | L Stevens           | Seats (Total: 30)                |
|      | MW 9:00am - 9:50am  | SHM 2102                         |
|      | F 9:00am - 9:50am   | JMZ 0122              Discussion |
| 0102 | L Stevens           | Seats (Total: 30)                |
|      | MW 9:00am - 9:50am  | SHM 2102                         |
|      | F 11:00am - 11:50am | TYD 2111              Discussion |
| 0103 | L Stevens           | Seats (Total: 30)                |
|      | MW 9:00am - 9:50am  | SHM 2102                         |
|      | F 12:00pm - 12:50pm | TYD 0101              Discussion |
| 0104 | L Stevens           | Seats (Total: 30)                |
|      | MW 9:00am - 9:50am  | SHM 2102                         |
|      | F 1:00pm - 1:50pm   | KEY 0100              Discussion |

## ECON326

### Intermediate Microeconomic Analysis

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ECON200, ECON201, and MATH141. Restriction: Must be in Economics Bachelor of Science program. Credit only granted for: ECON306, ECON326, AREC326, or AREC489M.*

*Analysis of economic decision-making by individual buyers and sellers, and resulting market outcomes, with emphasis on theoretical rigor. The efficient properties of perfect competition are examined, followed by consideration of market power, externalities, and asymmetric information.*

|      |                     |                   |            |
|------|---------------------|-------------------|------------|
| 0101 | Ginger Jin          | Seats (Total: 30) |            |
|      | MW 2:00pm - 2:50pm  | ESJ 1202          |            |
|      | F 9:00am - 9:50am   | KEY 0100          | Discussion |
| 0102 | Ginger Jin          | Seats (Total: 30) |            |
|      | MW 2:00pm - 2:50pm  | ESJ 1202          |            |
|      | F 10:00am - 10:50am | KEY 0100          | Discussion |
| 0103 | Ginger Jin          | Seats (Total: 30) |            |
|      | MW 2:00pm - 2:50pm  | ESJ 1202          |            |
|      | F 12:00pm - 12:50pm | TYD 1114          | Discussion |
| 0104 | Ginger Jin          | Seats (Total: 30) |            |
|      | MW 2:00pm - 2:50pm  | ESJ 1202          |            |
|      | F 2:00pm - 2:50pm   | TYD 0101          | Discussion |

## ECON330

### Money and Banking

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ECON200 and ECON201.*

*The structure of financial institutions and their role in the provision of money and near money. Analysis of the Federal Reserve System, the techniques of central banks, and the control of supply of financial assets in stabilization policy. Relationship of money and credit to economic activity and the price level.*

|      |                    |                    |  |
|------|--------------------|--------------------|--|
| 0101 | John Neri          | Seats (Total: 300) |  |
|      | MW 3:30pm - 4:45pm | SKN 0200           |  |

## ECON340

### International Economics

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ECON200 and ECON201. Credit only granted for: ECON340 or ECON441.*

*Introduces economic models of international trade and finance. Analyzes policies designed to promote and restrict international trade and to manage exchange rates and impact international capital flows.*

|  |                      |                   |
|--|----------------------|-------------------|
| SG91   | Stefania Scandizzo   | Seats (Total: 50) |
|  | MW 9:30am - 10:45am  | BLD3 3230         |
| <i>Restricted to BMGT-Shady Grove Seniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i> |                      |                   |
| SG92   | Stefania Scandizzo   | Seats (Total: 50) |
|  | MW 11:00am - 12:15pm | BLD3 3230         |
| <i>Restricted to BMGT-Shady Grove Seniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i> |                      |                   |

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**ECON358K      Special Topics in Study Abroad III; Spreadsheets and Data in Economics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ECON358L      Special Topics in Study Abroad III; Economics of Social Issues**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ECON358M      Special Topics in Study Abroad III; Financial Markets and Institutions**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ECON358N      Special Topics in Study Abroad III; History of Economic Thought**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ECON358T      Special Topics in Study Abroad III; Behavior and Incentives in Economics: The Case of Soccer**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ECON386      Experiential Learning**

(Perm req)                      Credits: 3                      Grading Method: Sat-Fail

*Prerequisite: ECON201 and ECON200. Restriction: Permission of BSOS-Economics department; and must be in a major within the BSOS-Economics department; and minimum cumulative GPA of 2.5; and junior standing or higher.*

*See Department Advising Office for course eligibility, course requirements, and application information.*

[Click here for information.](#)

**Contact department for information to register for this course.**

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**ECON396      Independent Honors Study**

(Perm req)                      Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of BSOS-Economics department.*

*First semester of the departmental honors sequence. Students will develop and apply research skills required to carry out original research. By the end of the semester students will have produced a complete draft of an honors thesis resembling a scholarly journal article.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Nuno Limao            | Seats (Total: 15) |
|      | TuTh 9:30am - 10:45am | TYD 1108          |

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**ECON397      Honors Thesis**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ECON396. Restriction: Must be a candidate for honors in economics.*

*General supervision will be provided through assembled meetings with the professor in charge of the course.*

**Contact department for information to register for this course.**

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**ECON398H      Topics in Economics; British Economy and Financial System**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*This course is designed to meet the changing interests of students and staff. Topics vary in response to those interests. Students are advised to seek information about the coverage and prerequisites during the registration period.*

**Contact department for information to register for this course.**

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**ECON398J                      Topics in Economics; The History of Economic Policy in Palestine/Israel**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*This course is designed to meet the changing interests of students and staff. Topics vary in response to those interests. Students are advised to seek information about the coverage and prerequisites during the registration period.*

Prerequisite: ECON201. Also offered as ISRL329F. Credit granted for ECON398J or ISRL329F. This course examines economic policy in Palestine/Israel from 1909 (under Ottoman rule) through the British Mandate (1922-48) until 1988, when the current neo-liberal economic policy began. It will examine how the governments and society dealt with issues such as growth versus equality (distributive justice); ideology versus praxis; local original policy versus imported policy; and politics versus academic economics who decides and under what circumstances?

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Yair Barak            | Seats (Total: 40) |
|      | TuTh 9:30am - 10:45am | JMZ 2206          |

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**ECON398L                      Topics in Economics; The British Economy and Financial Systems**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*This course is designed to meet the changing interests of students and staff. Topics vary in response to those interests. Students are advised to seek information about the coverage and prerequisites during the registration period.*

**Contact department for information to register for this course.**

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**ECON399                      Independent Study in Economics**

(Perm req)                      Credits: 1-3                      Grading Method: Regular,  
Pass-Fail

*Integrated readings and independent study under direction and supervision of a faculty member. Contact department for additional information.*

Prerequisite: Minimum grade of C- in ECON200 and ECON201. Restriction: Permission of BSOS-Economics department. Repeatable to 6 credits if content differs. Integrated readings and independent study under direction and supervision of a faculty member. Contact department for additional information.

**Contact department for information to register for this course.**

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**ECON401      Current Issues in American Economic Policy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (ECON305, ECON325); and 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321). Recommended: Prior experience with Microsoft Excel or similar spreadsheet software. Restriction: Must be in Economics Bachelor of Arts program.*

*Analysis of current economic problems and public policies. Topics include increasing competitiveness, mitigating poverty, addressing harmful effects of income inequality, promoting environmental sustainability, and facilitating economic stability and growth.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Erin Moody            | Seats (Total: 25) |
|      | TuTh 9:30am - 10:45am | TYD 1132          |
| 0201 | Thomas Hegland        | Seats (Total: 25) |
|      | TuTh 12:30pm - 1:45pm | TYD 1108          |

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**ECON402      Macroeconomic Models and Forecasting**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (ECON305, ECON325); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321). Restriction: Must be in Economics Bachelor of Arts program.*

*Analysis of the fluctuations in economic activity and the formulation and use of forecasting models of the economy. Illustrations of computer macro models and forecasting problems.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Sadik Aruoba       | Seats (Total: 25) |
|      | MW 2:00pm - 3:15pm | TYD 2102          |

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**ECON406      Advanced Microeconomics**

Credits: 3                      Grading Method: Regular

*Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in Economics Bachelor of Science program.*

*Expands on the assumptions of rational decision-making used in intermediate microeconomics and develops more complicated, more realistic models which address uncertainty, intertemporal choices, strategic interactions, social preferences and considerations of what is fair.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Erkut Ozbay            | Seats (Total: 70) |
|      | TuTh 11:00am - 12:15pm | TYD 0117          |

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## **ECON412      Economic History and Modern Development**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ECON325 and ECON326. Restriction: Must be in Economics Bachelor of Science program.*

*Analysis of major economic, political, and social change in the developed world since 1800. This includes factors contributing to increases in economic performance, changes in the form of government, technological change (including industrialization), and integration and disintegration of the global economy. Emphasis is on institutional changes in how societies organize economic and political activities.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Serguey Braguinsky | Seats (Total: 38) |
|      | MW 2:00pm - 3:15pm | TYD 2110          |

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## **ECON414      Game Theory**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321, STAT400). Restriction: Must be in one of the following programs (Economics Bachelor of Arts; Economics Bachelor of Science). Credit only granted for: CMSC474, ECON414, GVPT399A or GVPT390.*

*Studies the competitive and cooperative behavior that results when several parties find that their individual outcomes are jointly determined. Students will learn how to use game theory to analyze situations of potential conflict. Applications are drawn from economics, business, and political science.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Robert Schwab        | Seats (Total: 90) |
|      | TuTh 2:00pm - 3:15pm | ESJ 2204          |
| 0201 | Gustavo Saraiva      | Seats (Total: 38) |
|      | MW 5:00pm - 6:15pm   | TYD 0101          |



|      |                      |                   |
|------|----------------------|-------------------|
| 0301 | Yong Paek            | Seats (Total: 38) |
|      | TuTh 5:00pm - 6:15pm | TYD 2110          |

## ECON415 Market Design

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ECON414. Restriction: Must be in Economics Bachelor of Science program.*

*Focuses on recent developments in the design of markets to improve economic performance and to open new economic opportunities. It is divided into three main segments -- auction design, the design of matching mechanisms, and antitrust theory and policy.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Daniel Vincent       | Seats (Total: 38) |
|      | TuTh 2:00pm - 3:15pm | TYD 2110          |

## ECON416 Theory of Economic Development

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in Economics Bachelor of Science program. Credit only granted for: ECON315 or ECON416.*

*Economic theory of the developing nations; role of innovation, capital formation, resources, institutions, trade and exchange rates, and governmental policies.*

**Contact department for information to register for this course.**

## ECON422 Econometrics I

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (ECON325, ECON326); and 1 course with a minimum grade of C- from (STAT400, ECON321). Restriction: Must be in Economics Bachelor of Science program. Credit only granted for: ECON422, ECON424, AREC422, or AREC489F.*

*Emphasizes the interaction between economic problems and the assumption employed in statistical theory. Formulation, estimation, and testing of economic models, including single variable and multiple variable regression techniques, theory of identification, and issues relating to inference.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Alka Gandhi           | Seats (Total: 38) |
|      | MWF 11:00am - 11:50am | TYD 1132          |

|      |                       |                   |
|------|-----------------------|-------------------|
| 0201 | Alka Gandhi           | Seats (Total: 38) |
|      | MWF 10:00am - 10:50am | TYD 1118          |

## ECON423 Econometrics II

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ECON422. Restriction: Must be in Economics Bachelor of Science program.*

*Interaction between economic problems and specification and estimation of econometric models. Topics include issues of autocorrelation, heteroscedasticity, functional form, simultaneous equation models, qualitative choice models, and other computational methods.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Guido Kuersteiner      | Seats (Total: 38) |
|      | TuTh 2:00pm - 3:15pm   | TYD 2102          |
| 0201 | Maureen Cropper        | Seats (Total: 40) |
|      | TuTh 11:00am - 12:15pm | TYD 2102          |

## ECON424 Applied Econometrics

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (ECON305, ECON306, ECON325, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321). Restriction: Must be in Economics Bachelor of Arts program. Credit only granted for: ECON422 or ECON424.*

*Provide the knowledge and skills necessary to accomplish and utilize basic applied econometric analysis utilized by many business service providers, government agencies, and nonprofits engaged in policy analysis. Topics include simple and multiple regressions using cross section, time series, and panel data, issues of heteroskedasticity, serial correlation, and multicollinearity, models with binary dependent variable, and program evaluation. Course emphasizes application of knowledge using software packages but still covers essential theoretical background.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Hossein Abbasi         | Seats (Total: 38) |
|      | TuTh 9:30am - 10:45am  | TYD 2111          |
| 0201 | Hossein Abbasi         | Seats (Total: 38) |
|      | TuTh 11:00am - 12:15pm | TYD 2111          |
| 0301 | Yue Chao               | Seats (Total: 38) |
|      | TuTh 12:30pm - 1:45pm  | TYD 2111          |

|      |                    |                   |
|------|--------------------|-------------------|
| 0401 | Fo Aflagah         | Seats (Total: 38) |
|      | MW 2:00pm - 3:15pm | TYD 2111          |

## ECON425 Mathematical Economics

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (ECON305, ECON325); and 1 course with a minimum grade of C- from (ECON306, ECON326). Restriction: Must be in Economics Bachelor of Arts program.*

*Covers mathematical tools and skills utilized in upper undergraduate and master's level coursework in Economics and Public Policy. Reviews calculus and math of finance and growth. Introduces techniques of optimization, linear algebra, and differential equations and connects them to micro and macro theory and applications. Topics will also include coverage of probability theory to explore how economists model uncertainty, as well as economic applications of integration.*

**Contact department for information to register for this course.**

## ECON426 Economics of Cost-Benefit Analysis

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (ECON305, ECON306, ECON325, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321). Restriction: Must be in Economics Bachelor of Arts program. Credit only granted for: ECON398A or ECON426. Formerly: ECON398A.*

*Study of how to use cost benefit analysis and other similar tools of applied microeconomics to conduct policy analyses. Cost-benefit analysis is an empirical method of identifying an optimal choice from a set of policy alternatives, where optimal is defined in terms of economic efficiency. Real world examples are addressed, so that students understand limitations of the methods and also interactions of economic analysis with political and administrative processes.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Ephraim Leibtag    | Seats (Total: 25) |
|      | Tu 6:00pm - 8:30pm | TYD 1114          |
| 0201 | Gentry Johnson     | Seats (Total: 25) |
|      | MW 3:30pm - 4:45pm | TYD 2102          |

## ECON435 Financial Markets and the Macroeconomy

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (ECON305, ECON325); and 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321). Restriction: Must be in Economics Bachelor of Arts program; and must not have completed BMGT343. Credit only granted for: BMGT343 or ECON435. Additional information: Finance majors will not receive credit for ECON435.*

*The different types of financial assets that exist, the markets that they trade in, and the determination of their prices and rates of return are examined. Specific topics that will be covered include the Markowitz portfolio selection model, the capital asset pricing model, the arbitrage pricing theory, the efficient markets hypothesis, the term structure of interest rates, and options. There will be almost no emphasis on issues in corporate finance.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Can Sever             | Seats (Total: 38) |
|      | MWF 9:00am - 9:50am   | TYD 2108          |
| 0201 | Richard Stahnke       | Seats (Total: 38) |
|      | TuTh 12:30pm - 1:45pm | TYD 0101          |

## **ECON442**

### **Globalization and Capital Markets**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ECON326 and ECON325; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in Economics Bachelor of Science program; and must not have completed ECON441. Credit only granted for: ECON441 or ECON442.*

*Uses models of open-economy macroeconomics to explain the causes and consequences of international capital flows. Analysis is made of private consumption, investment, the government sector, current accounts, the labor market, and the money and foreign exchange markets in small open economies. This framework is then used to study examples of how speculative attacks on currencies, sudden reversals of capital inflows, and the effects of the lack of credibility of economic policy affect economic development.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Felipe Saffie          | Seats (Total: 38) |
|      | TuTh 11:00am - 12:15pm | TYD 1101          |

## **ECON443**

### **International Trade and Trade Policy in the New Global Economy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (ECON305, ECON325); and 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321). Restriction: Must be in Economics Bachelor of Arts program; and must not have completed ECON441. Credit only granted for: ECON441 or ECON443.*

*Examines the economics of international economic integration, including the theory of customs unions and free trade areas, the role of GATT and the WTO, changes in individual countries' foreign trade policies during the new era of globalization, the special role of multinational firms in world trade, and recent controversies about the benefits and costs of globalized trade.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Richard Stahnke      | Seats (Total: 38) |
|      | TuTh 3:30pm - 4:45pm | TYD 1102          |
| 0201 | Richard Stahnke      | Seats (Total: 38) |
|      | TuTh 5:00pm - 6:15pm | TYD 2111          |

## ECON451

### Public Choice

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321). Restriction: Must be in Economics Bachelor of Arts program.*

*Analysis of collective decision making, economic models of government, program budgeting, and policy implementation; emphasis on models of public choice and institutions which affect decision making.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Peter Coughlin         | Seats (Total: 38) |
|      | TuTh 11:00am - 12:15pm | TYD 1132          |

## ECON454

### Public Finance and Public Policy

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in Economics Bachelor of Science program.*

*The role of the the public sector in a market economy constitutes the over-arching topic of this course. Emphasis lies on analyzing government expenditure programs and the microeconomics of tax policy.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Riley Wilson       | Seats (Total: 38) |
|      | MW 3:30pm - 4:45pm | TYD 2106          |
| 0201 | Kenneth Coriale    | Seats (Total: 38) |
|      | MW 5:00pm - 6:15pm | TYD 0102          |

## ECON456

### Law and Economics

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321). Restriction: Must be in Economics Bachelor of Arts program.*

*Relationship of the exchange process to the system of institutions and rules that society develops to carry out economic transactions. Topics covered include: Property rights; torts, negligence, and liability; contracts and exchanges; criminal control and enforcement; equity and efficiency issues .*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Aaron Finkle          | Seats (Total: 38) |
|      | MWF 12:00pm - 12:50pm | TYD 2102          |
| 0201 | Aaron Finkle          | Seats (Total: 38) |
|      | MWF 1:00pm - 1:50pm   | TYD 1101          |

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**ECON458J      Special Topics in Study Abroad IV; Topics in Econometrics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ECON460      Industrial Organization**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in Economics Bachelor of Science program.*

*Examines different theoretical models of firm behavior in markets with varying amounts of market power. Relates theory to specific industries and examines how market structure evolves over time.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Andrew Sweeting    | Seats (Total: 38) |
|      | MW 2:00pm - 3:15pm | TYD 1118          |

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**ECON461      Economics of Regulation and Anti-trust**

Credits: 3                      Grading Method: Regular

*Prerequisite: 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321). Restriction: Must be in Economics Bachelor of Arts program.*

*Considers government intervention in economic activity of three types: antitrust policy, regulation of natural monopolies, and health safety regulation. Covers theoretical models, real-world policy applications, and empirical studies relevant to the impact of regulation.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Cindy Clement         | Seats (Total: 38) |
|      | MWF 11:00am - 11:50am | TYD 1118          |

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## **ECON462      Economics of Entrepreneurship**

Credits: 3                      Grading Method: Regular

*Prerequisite: Minimum grade of C- in ECON422. Restriction: Must be in Economics Bachelor of Science program. Credit only granted for: ECON3980 or ECON462. Formerly: ECON3980.*

*Economic theory highlights the role of entrepreneurs in fueling economic growth and accomplishing reallocation of resources in response to changes in preferences, technology, demographics, and resource. This course uses empirical evidence to examine the extent to which these predictions are valid. To more fully understand the motivations and constraints relevant to entrepreneurs, student will write a business plan as if s/he were starting a new business.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Ryan Decker       | Seats (Total: 20) |
|      | M 6:00pm - 8:30pm | TYD 2111          |

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## **ECON471      Labor Markets**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (ECON306, ECON326); and minimum grade of C- in ECON424. Restriction: Must be in Economics Bachelor of Arts program. Credit only granted for: ECON470 or ECON471.*

*Central topics include the determinants of firms' demand for labor and households' decision making about whether to work, how much to work, and where to work. We will then study the equilibrium amount of labor hired in society and the wages paid to workers. The course will also include the measurement of the labor market, human capital, discrimination, incentives, and current changes in the American economic landscape. Various economic policies impacting labor markets will be analyzed.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Nicholas Montgomery | Seats (Total: 38) |
|      | MW 2:00pm - 3:15pm  | TYD 1114          |

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## **ECON481      Theory and Policy in Environmental Economics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (AREC326, ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, ECON321, BMGT230). Restriction: Must be in one of the following programs (Economics Bachelor of Arts; Agricultural and Resource Economics; Agricultural and Resource Economics: Agribusiness; Environmental Science & Policy-Env Economics). Also offered as: AREC481. Credit only granted for: ECON481 or AREC481.*

*An exploration of the use of economic incentives for protection of the environment and the determination of appropriate (or efficient) level of environmental quality. Also covers the choice of policy instruments for the attainment of environmental standards.*

**Contact department for information to register for this course.**

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**ECON488K      Applied Market Research Practicum; Kaulkin Ginsberg Research Fellow**

(Perm req)

Credits: 2                      Grading Method: Sat-Fail

*Students gain experience applying economic knowledge and producing market research valued by businesses, non-profits, and/or government agencies. Students engage in activities similar to what an intern or entry-level employee would perform. Students work in small groups to find different kinds of data and facts, analyze and interpret this information, and use research findings to develop and present recommendations for simulated clients.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Michael Thomas, Aaron Finkle                  | Seats (Total: 16) |
|      | M 5:30pm - 7:45pm                             | TYD 2102          |
|      | Contact instructor or department for details. |                   |

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**ECON490      Urban & Regional Economics: Issues and Policies**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON321, BMGT230, ECON230). Restriction: Must be in Economics Bachelor of Arts program. Credit only granted for: ECON398I or ECON490. Formerly: ECON398I.*

*Exploration of urban and regional economics and policies, including economic forces leading to formation of city and regional networks. Conceptual and empirical analysis of policies affecting land use, housing, transportation and other aspects of sub-national economic development.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Nicholas Montgomery   | Seats (Total: 38) |
|      | MWF 10:00am - 10:50am | TYD 2111          |
| 0201 | Nicholas Montgomery   | Seats (Total: 38) |
|      | MWF 11:00am - 11:50am | TYD 2102          |

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**ECON499      Independent Research in Economics**



(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail

*Directed research under the supervision of a faculty member. Contact department for additional information.*

Prerequisite: 1 course with a minimum grade of C- from (ECON230, ECON321, BMGT230, STAT400); and 1 course with a minimum grade of C- from (ECON305, ECON325); and 1 course with a minimum grade of C- from (ECON306, ECON326); and minimum of 3 credits from ECON400-499 course range. Restriction: Permission of BSOS-Economics department. Repeatable to 6 credits if content differs. Directed research under the supervision of a faculty member. Contact department for additional information.

**Contact department for information to register for this course.**

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### **ECON601**

#### **Macroeconomic Analysis I**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Restriction: Permission of BSOS-Economics department.*

*Introductory technical treatment of standard Keynesian, classical and new classical macroeconomic models. Expectations formation and microeconomic foundations of consumption, investment, money demand, and labor market behavior.*

|      |                         |                   |            |
|------|-------------------------|-------------------|------------|
| 0101 | Allan Drazen, John Shea | Seats (Total: 45) |            |
|      | MW 9:30am - 10:45am     | TYD 1114          |            |
|      | M 5:00pm - 6:45pm       | TYD 1108          | Discussion |

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### **ECON603**

#### **Microeconomic Analysis I**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Restriction: Permission of BSOS-Economics department.*

*A detailed treatment of the theory of the consumer and of the firm, particularly emphasizing the duality approach. Topics include the household production model, imperfect competition, monopolistic and oligopolistic markets.*

|      |                                    |                   |            |
|------|------------------------------------|-------------------|------------|
| 0101 | Emel Filiz Ozbay, Lawrence Ausubel | Seats (Total: 50) |            |
|      | TuTh 2:00pm - 3:15pm               | TYD 0102          |            |
|      | Tu 5:15pm - 6:45pm                 | TYD 0102          | Discussion |

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### **ECON616**

#### **Economic Development II**

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: ECON615, ECON603, and ECON604; or permission of BSOS-Economics department.*

*Survey of a variety of models explaining how market failures may lead to poverty and underdevelopment, with an emphasis on the empirical evaluation of constraints faced by individuals in developing countries and the programs that attempt to alleviate those constraints. Topics include: agricultural and land markets, labor markets, human capital in developing countries, credit markets, and consumption smoothing and risk coping.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Jessica Goldberg     | Seats (Total: 30) |
|      | MW 11:00am - 12:15pm | TYD 2111          |

## ECON623 Econometrics I

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Must have advanced knowledge of probability, statistics, and linear algebra. Restriction: Permission of BSOS-Economics department.*

*Specification, estimation, hypothesis testing and prediction in the classical and generalized linear regression model. Topics include: ordinary least squares, generalized least squares, instrumental variable estimation, quantile regression, finite and large sample analysis and general testing principles including misspecification tests. The course will also provide instructions on the use of a major statistical packagesuch as Stata or TSP.*

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0101 | John Chao             | Seats (Total: 41) |            |
|      | TuTh 12:30pm - 1:45pm | TYD 2110          |            |
|      | Th 5:15pm - 7:00pm    | TYD 0102          | Discussion |

## ECON625 Computational Economics

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ECON604 and ECON624. Credit only granted for: ECON625 or ECON698R. Formerly: ECON698R.*

*An examination of the specification, computation, estimation and interpretation of structural models that are widely used in applied microeconomics (empirical and theoretical Industrial Organization, public and urban economics, environmental economics, development, political economy (e.g., voting), health and education economics, trade) and Marketing. The focus will be on how to use these models in practice, and students will solve and estimate models in weekly problem sets, with solutions/code being discussed in class.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Andrew Sweeting    | Seats (Total: 20) |
|      | F 12:30pm - 3:30pm | TYD 2108          |

## **ECON626 Empirical Microeconomics**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ECON624. Restriction: Must be in Economics (Doctoral) program.*

*To provide students with the opportunity to use empirical techniques that are particularly valuable in the analysis of microeconomic data. Topics include panel data, nonlinear optimization, limited dependent variables, truncated, censored, selected samples, the analysis of natural experiments, and quantile regressions. This course will emphasize hands-on practical experience.*

|      |                        |                               |
|------|------------------------|-------------------------------|
| 0101 | Guido Kuersteiner      | Seats (Total: 23)             |
|      | TuTh 11:00am - 12:15pm | TYD 2108                      |
|      | W 5:00pm - 6:15pm      | Location: TBA      Discussion |

## **ECON630 Computational Methods in Macroeconomics**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ECON602 and ECON601. Restriction: Must be in one of the following programs (Economics (Master's); Economics (Doctoral)) ; or permission of BSOS-Economics department.*

*Essential computational methods used in macroeconomics. There will be particular focus on approximating the solution to dynamic stochastic general equilibrium models. Methods for representative-agent and heterogeneous-agent models will be extensively studied. Econometric methods such as Generalized Method of Moments, Maximum Likelihood, Vector Autoregressions will also be covered.*

Beginning on Fri, October 23rd, students will need to attend an evening meeting from 5:30p-830p.

|      |                             |                   |
|------|-----------------------------|-------------------|
| 0101 | Felipe Saffie, Sadik Aruoba | Seats (Total: 16) |
|      | Tu 2:00pm - 3:15pm          | Location: TBA     |
|      | MW 2:00pm - 3:15pm          | TYD 4103          |

## **ECON635 Experimental Economics**

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Permission of instructor.*

*An introduction to the methodology of laboratory and field experiments. The course concentrates on a series of experiments to show how experiments build on one another, allowing researchers with different theoretical dispositions to narrow the range of potential disagreement.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Erkut Ozbay          | Seats (Total: 20) |
|      | TuTh 2:00pm - 3:15pm | TYD 1108          |

## ECON641

### Microeconomic Analysis

Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Must be in M.Prof.Studies: Applied Economics program; or permission of BSOS-Economics department. Credit only granted for: ECON641 or ECON506. Formerly: ECON506.*

*Microeconomic analysis applied to public policy problems with an emphasis on practical examples and how they illustrate microeconomic theories. Policy issues such as pollution, welfare and income distribution, market design, industry regulation, price controls, tax policy and health insurance are practical examples used to illustrate the abstract principles of microeconomics.*

|   |  |  |
|---|--|--|
| PCE1  | Aaron Finkle                                     | Seats (Total: 30)                      |
|   | Tu 6:30pm - 9:15pm                               | TYD 2111                               |
| <i>Restricted to students in the MPS in Applied Economics-UMCP.</i> |  |  |
| PR01  | Sandra Hoffman                                   | Seats (Total: 22)                      |
|   | <b>Meets August 28, 2017 - November 17, 2017</b> |  |
|   | Tu 6:45pm - 9:30pm                               | Location: TBA                          |
|   | Class time/details on ELMs                       | ONLINE                      Discussion |
| <i>Class meets at 1400 16th Street NW., Washington, DC.</i>         |  |  |

## ECON642

### Topics in Applied Macroeconomics

Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Must be in M.Prof.Studies: Applied Economics program; or permission of BSOS-Economics department.*

*Focus is on applied macroeconomic models used by federal agencies to explain and predict economic behavior. Course emphasizes macroeconomic data: NIPA accounts, GDP, construction and application of CPI, labor force data and economic indicators. Students will also study a selected set of current macroeconomic topics including models of economic growth, economic fluctuations, monetary policy, inflation and financial markets.*

|   |                    |                   |
|---|--------------------|-------------------|
| PCE1  | Michael Barry      | Seats (Total: 30) |
|   | Th 6:30pm - 9:15pm | TYD 2111          |
| <i>Restricted to students in the MPS in Applied Economics-UMCP.</i> |                    |                   |

## ECON643 Empirical Analysis I: Foundations of Empirical Research

Credits: 3                      Grading Method: Regular,  
Audit

*Credit only granted for: ECON643 or ECON521. Formerly: ECON521.*

*Fundamental aspects of data management and interpretation emphasizing sampling, descriptive statistics, index numbers and construction of aggregated variables. Students will learn probability theory, confidence intervals, hypothesis testing and regression analysis using the EXCEL spreadsheet program and STATA statistical software.*

|   |  |  |
|---|--|--|
| PCE1  | John Straub                                      | Seats (Total: 30)                      |
|   | W 6:30pm - 9:15pm                                | TYD 2111                               |
| <i>Restricted to students in the MPS in Applied Economics-UMCP.</i>   |  |  |
| PR01  | Christian Gregory                                | Seats (Total: 27)                      |
|   | <b>Meets August 28, 2017 - November 17, 2017</b> |  |
|   | Th 6:45pm - 9:30pm                               | Location: TBA                          |
|   | Class time/details on ELMs                       | ONLINE                      Discussion |
| <i>Restricted to students in the MPS in Applied Economics-WDC. Class meets at 1400 16th Street NW., Washington, DC.</i> |  |  |

## ECON645 Empirical Analysis III: Econometric Modeling and Forecasting

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: ECON644. Credit only granted for: ECON645 or ECON523. Formerly: ECON523.*

*Study of empirical techniques that are particularly relevant to the analysis of microeconomic models. Emphasis is on advanced panel data methods, time series regressions, instrumental variables, limited dependent variables, and sample selection corrections.*

|   |                    |                   |
|---|--------------------|-------------------|
| PCE1  | Marquise McGraw    | Seats (Total: 40) |
|   | Tu 6:30pm - 9:15pm | TYD 2102          |
| <i>Restricted to students in the MPS in Applied Economics-UMCP.</i> |                    |                   |

|      |   |                   |
|------|---|-------------------|
| PR01 | Cristina Tello-Trillo   | Seats (Total: 24) |
|      | <b>Meets August 28, 2017 - November 17, 2017</b>  |                   |
|      | M 6:45pm - 9:30pm   | Location: TBA     |
|      | Class time/details on ELMs  | ONLINE Discussion |
|      | <i>Restricted to students in the MPS in Applied Economics-WDC. Class meets at 1400 16th Street NW., Washington, DC.</i> |                   |

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## ECON652 Public Economics I

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ECON604 and ECON624.*

*The characteristics and effects of government programs whose role is redistribution and social insurance are considered. Examples include cash welfare assistance, unemployment insurance, and Social Security. The focus is on U.S. programs, though other countries may be considered. Both theories of program design and empirical research on program effects will be covered. Topics in empirical methodology generally will also be stressed.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Lesley Turner       | Seats (Total: 30) |
|      | MW 9:30am - 10:45am | TYD 0101          |

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## ECON662 Theories of Industrial Organization

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ECON604 and ECON603.*

*Classical theories of industry organization are analyzed. Topics include monopoly price discrimination, product differentiation and bundling as well as traditional oligopoly models of Cournot and Bertrand are examined. Dynamic models of oligopoly including entry deterrence and collusion are discussed in addition to games of research and development. Long-run industry structures and dynamics are also analyzed. Also investigates implications of these models for antitrust policy.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Daniel Vincent         | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | TYD 1108          |

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## ECON670 Financial Economics

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON644.*

*Restriction: Must be in M.Prof.Studies: Applied Economics program.*

*The course applies microeconomic theory and applied econometric techniques to the study of financial institutions and markets for financial assets. Students will learn how economists model and estimate the value of financial assets. The economic and empirical models are of interest to public policy makers and private wealth managers. Specific topics can include financial intermediation, the regulation of financial institutions, risk management, portfolio theory, the capital asset pricing model and the efficient markets hypothesis.*

|      |  |                   |
|------|--|-------------------|
| PR01 | Lubomir Petrasek   | Seats (Total: 27) |
|      | <b>Meets August 28, 2017 - November 17, 2017</b>   |                   |
|      | W 6:45pm - 9:30pm  | Location: TBA     |
|      | Class time/details on ELMs   | ONLINE Discussion |
|      | <i>Restricted to students in the Department of Economics' Professional Program. Meets at 1400 16th Street N.W.</i> |                   |

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## **ECON671 Economics of Health Care**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON645. Credit only granted for: ECON671 or ECON565. Formerly: ECON565.*

*An examination of the structure, conduct and performance of the health care market, including a study of physician services, the pharmaceutical industry, the hospital market and health insurance. Extensive use of quantitative and analytic economic tools with special emphasis on regulatory response to market imperfections.*

|      |   |                   |
|------|---|-------------------|
| PCE1 | Farah Farahati  | Seats (Total: 30) |
|      | M 6:30pm - 9:15pm   | TYD 1101          |
|      | <i>Restricted to students in the MPS in Applied Economics-UMCP.</i> |                   |

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## **ECON673 Information, Game Theory and Market Design**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON644.*

*A study of the strategic decision-making and the theory and practice of market design. Focus is on the design of organized market and incentives created by market rules. Topics include online auction markets, government auctions procurement auctions and matching markets. The analysis includes documenting the rules of real-world markets, game theoretic analysis, empirical analysis, and experimental work.*

|      |   |                   |
|------|---|-------------------|
| PR01 | David Ovadia  | Seats (Total: 23) |
|      | <b>Meets August 28, 2017 - November 17, 2017</b>  |                   |
|      | Tu 6:45pm - 9:30pm  | Location: TBA     |
|      | Class time/details on ELMs  | ONLINE Discussion |
|      | <i>Restricted to students in the MPS in Applied Economics-WDC. Class meets at 1400 16th Street NW., Washington, DC.</i> |                   |

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## **ECON675 Environmental Economics**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON645.*

*A study of the nature of environmental regulation focusing on U.S. environmental policies and policy debates.*

|      |   |                   |
|------|---|-------------------|
| PCE1 | Hong Kim  | Seats (Total: 30) |
|      | W 6:30pm - 9:15pm   | TYD 1108          |
|      | <i>Restricted to students in the MPS in Applied Economics-UMCP.</i> |                   |

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## **ECON676 Economic Development**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: ECON641; and ECON642; and must have completed or be concurrently enrolled in ECON644. Restriction: Must be in M.Prof.Studies: Applied Economics program.*

*Analysis of economic development. The course will focus on the consequences of poverty and poor institutions for the behavior and welfare of individuals, households, firms and the aggregate economy in developing countries. Theoretical models and empirical evidence will be used to understand the intended and unintended consequences of policies designed to enhance economic development.*



|      |   |                   |
|------|---|-------------------|
| PR01 | Erin Troland  | Seats (Total: 16) |
|      | <b>Meets August 28, 2017 - November 17, 2017</b>  |                   |
|      | Th 6:30pm - 9:45pm  | Location: TBA     |
|      | Class time/details on ELMs  | ONLINE Discussion |
|      | <i>Restricted to students in the MPS in Applied Economics-WDC. Meets at 1400 16th Street N.W.</i> |                   |

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### **ECON683 International Macroeconomics and Finance**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ECON641 and ECON642; and must have completed or be concurrently enrolled in ECON644. Restriction: Must be in M.Prof.Studies: Applied Economics program.*

*Economic analysis of international macroeconomic issues and policy. Topics can include the study of exchange rates, balance of payments, international financial markets, international business cycles, contagion, and the roles played by international economic institutions.*

|      |   |                   |
|------|---|-------------------|
| PCE1 | Mahsa Agha Gholizadeh   | Seats (Total: 30) |
|      | Th 6:30pm - 9:15pm  | TYD 0111          |
|      | <i>Restricted to students in the MPS in Applied Economics-UMCP.</i> |                   |

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### **ECON698 Selected Topics in Economics**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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### **ECON701 Advanced Macroeconomics I**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ECON602 and ECON601.*

*Recent developments in macroeconomics with an emphasis on topics and techniques useful for conducting research in macroeconomics. Topics include advanced treatment of fiscal and monetary policy issues; the role of imperfect competition; real, sectoral and nominal business cycle models.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Sadik Aruoba         | Seats (Total: 25) |
|      | MW 11:00am - 12:15pm | TYD 0101          |

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**ECON703****Advanced Microeconomics I**

Credits: 3                      Grading Method: Regular,  
    Audit

*Prerequisite: ECON604 and ECON603.*

*Formal treatment of game theory and its microeconomic applications are presented, emphasizing dynamics and information. Equilibrium concepts for static and dynamic games, and games with complete and incomplete information are studied. Topics also discussed: mechanism design, efficiency, reputations, signaling, and screening.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Peter Cramton         | Seats (Total: 30) |
|      | TuTh 9:30am - 10:45am | TYD 0111          |

**ECON708****Advanced Topics in Applied and Theoretical Microeconomics**

(Perm req)

Credits: 2                      Grading Method: Regular,  
    Audit

*Read, discuss, and analyze current topics in microeconomics, including public economics, environmental economics, labor economics, industrial economics, microeconomic theory, public choice and international trade. Specific topics covered will change from semester to semester depending on the students' and faculty's interests. Intended primarily for students beginning thesis research in economics.*

|      |                     |                  |
|------|---------------------|------------------|
| 0601 | Katharine Abraham   | Seats (Total: 5) |
|      | MW 12:30pm - 1:45pm | Location: TBA    |
| 2901 | Yusuf Masatlioglu   | Seats (Total: 5) |
|      | MW 12:30pm - 1:45pm | Location: TBA    |
| 4401 | Peter Coughlin      | Seats (Total: 5) |
|      | MW 12:30pm - 1:45pm | TYD 0111         |
| 5501 | Ginger Jin          | Seats (Total: 5) |
|      | MW 12:30pm - 1:45pm | Location: TBA    |

**ECON709****Advanced Topics in Applied and Theoretical Macroeconomics**

(Perm req)

Credits: 2                      Grading Method: Regular,  
    Audit

*Read, discuss, and analyze current topics in macroeconomics, including asset pricing models, models of economic growth, investment, and the labor market. Specific topics covered will change from semester to semester depending on the students' and faculty's interests. Intended primarily for students beginning thesis research in economics.*

|      |  |                                   |
|------|--|-----------------------------------|
| 0101 | Sadik Aruoba<br>TuTh 12:30pm - 1:45pm      | Seats (Total: 5)<br>TYD 0102      |
| 0301 | Guido Kuersteiner<br>TuTh 12:30pm - 1:45pm | Seats (Total: 5)<br>Location: TBA |
| 0401 | Eunhee Lee<br>TuTh 12:30pm - 1:45pm        | Seats (Total: 5)<br>Location: TBA |
| 4101 | Ingmar Prucha<br>TuTh 12:30pm - 1:45pm     | Seats (Total: 5)<br>Location: TBA |

## ECON721

### Econometrics III

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: ECON624; or permission of BSOS-Economics department.*

*Oriented towards macro-econometric methods. Topics covered will be selected from the following: Further discussion of topics covered in ECON624, nonlinear time series models, exogeneity and causality, non-stationary time series models (unit roots, co-integration, error correction models, vector autoregressive models), econometric models of volatility (ARCH and GARCH models, and Stochastic volatility models), rational expectations models, non-stationary panel data models, tests for structural change, Bayesian econometrics and methods for Bayesian computation.*

|      |                                   |                               |
|------|-----------------------------------|-------------------------------|
| 0101 | John Chao<br>TuTh 5:00pm - 6:15pm | Seats (Total: 20)<br>TYD 2108 |
|------|-----------------------------------|-------------------------------|

## ECON741

### Advanced International Economics I

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: ECON601; or permission of BSOS-Economics department.*

*Exchange rate determination; exchange rate regimes; international monetary reform; policy conflict and cooperation; the LDC debt problem; pricing of international assets; balance of payments crises.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Felipe Saffie         | Seats (Total: 20) |
|      | TuTh 9:30am - 10:45am | TYD 2110          |

## **ECON742      Advanced International Economics II**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: ECON603; or permission of BSOS-Economics department.*

*Comparative advantage, Heckscher-Ohlin theory, specific-factors model, empirical verification, economies of scale, imperfect competition, commercial policy, factor mobility.*

|      |                        |                  |
|------|------------------------|------------------|
| 0101 | Nuno Limao             | Seats (Total: 9) |
|      | TuTh 11:00am - 12:15pm | TYD 4118C        |

## **ECON754      Topics in Political Economy I**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: ECON602 and ECON604; or permission of BSOS-Economics department.*

*Study of political determinants of macroeconomic outcomes. Time inconsistency in monetary and fiscal policy, political business cycles. Political models of redistribution, delay in reform, transition, growth, and international policymaking.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Allan Drazen         | Seats (Total: 20) |
|      | MW 11:00am - 12:15pm | TYD 1114          |

## **ECON771      Advanced Labor Economics: Theory and Evidence**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: ECON603 and ECON624; or permission of BSOS-Economics department.*

*Modern analytical and quantitative labor economics. Labor supply decisions of individuals and households; human capital model and distribution of income. Demand for labor; marginal productivity theory, imperfect information and screening. Interaction of labor demand and supply; unemployment; relative and absolute wages; macroeconomic aspects of the labor market.*

|      |                    |                  |
|------|--------------------|------------------|
| 0101 | Judith Hellerstein | Seats (Total: 9) |
|      | MW 2:00pm - 3:15pm | TYD 1108         |

**ECON785      Advanced Economics of Natural Resources**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: ECON603, ECON604, and ECON624.*

*The use of exhaustible and renewable natural resources from normative and positive points of view. Analysis of dynamic resource problems emphasizing energy, mineral, groundwater, forestry, and fishery resources; optimal, equilibrium, and intergenerational models of resource allocation.*

Also offered as AREC785. Credit will be granted for one of the following: AREC785 or ECON785.

|      |                                     |                   |
|------|-------------------------------------|-------------------|
| 0101 | Jorge Holzer Bilbao, Stephen Salant | Seats (Total: 28) |
|      | MW 12:30pm - 1:45pm                 | HBK 0123          |

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**ECON799      Master's Thesis Research**

Credits: 1-6                      Grading Method: Regular  
**Contact department for information to register for this course.**

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**ECON808      Workshop on Macroeconomics and Growth; Workshop in Applied Economics**

Credits: 2                      Grading Method: Sat-Fail,  
   Audit

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|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Sadik Aruoba      | Seats (Total: 10) |
|      | W 3:30pm - 5:30pm | TYD 2110          |
| 1301 | Allan Drazen      | Seats (Total: 5)  |
|      | W 3:30pm - 5:30pm | TYD 2110          |
| 3501 | L Stevens         | Seats (Total: 5)  |
|      | W 3:30pm - 5:30pm | TYD 2110          |

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**ECON848      Workshop in International Development, and Comparative Economics**

Credits: 2                      Grading Method: Sat-Fail,  
   Audit

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|      |                   |                   |
|------|-------------------|-------------------|
| 2102 | Peter Murrell     | Seats (Total: 20) |
|      | M 3:30pm - 5:30pm | TYD 2110          |

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**ECON868      Workshop in Industrial Organization**

Credits: 2                      Grading Method: Sat-Fail,  
   Audit

*Workshops designed to provide a structured environment for our faculty and graduate students to meet regularly to discuss and present their research ideas.*

|      |                    |                   |
|------|--------------------|-------------------|
| 2901 | Yusuf Masatlioglu  | Seats (Total: 20) |
|      | Tu 3:30pm - 5:30pm | TYD 1108          |
| 4701 | Daniel Vincent     | Seats (Total: 20) |
|      | Tu 3:30pm - 5:30pm | Location: TBA     |

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**ECON878      Workshop in Labor Economics**

Credits: 2                      Grading Method: Sat-Fail,  
   Audit

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|      |                    |                   |
|------|--------------------|-------------------|
| 0601 | Judith Hellerstein | Seats (Total: 10) |
|      | Th 3:30pm - 5:30pm | TYD 1118          |
| 5801 | Lesley Turner      | Seats (Total: 10) |
|      | Th 3:30pm - 5:30pm | Location: TBA     |

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**ECON898      Pre-Candidacy Research**

(Perm req)

Credits: 1-8                      Grading Method: Regular

**Contact department for information to register for this course.**

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**ECON899      Doctoral Dissertation Research**

(Perm req)

Credits: 6                      Grading Method: Regular

**Contact department for information to register for this course.**

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**EDCI      Curriculum and Instruction****Fall 2017**

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**EDCI210      Exploring Teaching as a Career**

Credits: 3                      Grading Method: Regular

General Education: DSSP

*Weekly participation as a volunteer tutor in a local school or community program with children or adolescents. Regular campus meetings assist with developing teaching skills and insight.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Jamar Perry                                   | Seats (Total: 15) |
|      | Tu 2:00pm - 4:00pm                            | EDU 3233          |
|      | Contact instructor or department for details. |                   |

## EDCI280

### Looking Inside Schools and Classrooms

Credits: 3

Grading Method: Regular

*An exploration of teaching in public schools, grades 1-12: student diversity, societal changes, and the expectations of teachers and public schools. Three hour per week field component.*

Two hours per week on campus plus three hours per week in a local school off campus. Most schools are within a 20 minute commute with more travel time needed if public transportation is required. Allow for travel time between on-campus coursework and the offcampus school experience. All schools require that fingerprinting and background checks be completed, at an additional cost of approximately \$62, prior to the start of the experience.

|      |                     |                        |
|------|---------------------|------------------------|
| 0101 | Lisa Bote           | Seats (Total: 13)      |
|      | Tu 12:30pm - 2:20pm | EDU 3315               |
|      | Tu 8:30am - 11:30am | Location: TBA      Lab |
| 0102 | Lisa Bote           | Seats (Total: 12)      |
|      | Tu 12:30pm - 2:20pm | EDU 3315               |
|      | W 12:30pm - 3:30pm  | Location: TBA      Lab |
| 0103 | Lisa Bote           | Seats (Total: 13)      |
|      | Tu 12:30pm - 2:20pm | EDU 3315               |
|      | Th 8:30am - 11:30am | Location: TBA      Lab |
| 0104 | Lisa Bote           | Seats (Total: 12)      |
|      | Tu 12:30pm - 2:20pm | EDU 3315               |
|      | Th 12:30pm - 3:30pm | Location: TBA      Lab |

## EDCI288C

### Special Topics in Teacher Education; The Power of the Tongue

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSHS,  
DVCC, SCIS

Please check Canvas for room location.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Ebony Shockley      | Seats (Total: 60) |
|      | Tu 12:00pm - 2:45pm | Location: TBA     |

**EDCI288D****Special Topics in Teacher Education; Developmental Heuristics**

(Perm req)

Credits: 3      Grading Method: Regular

|   |                |                    |
|---|----------------|--------------------|
| 0101  | Tilahun Beyene | Seats (Total: 115) |
| Contact instructor or department for details. |                |                    |

**EDCI288W****Special Topics in Teacher Education; Forbidden Books: Censorship of Children's and Young Adult Literature**Credits: 3      Grading Method: Regular,      General Education: DSHS,  
Pass-Fail, Audit      SCIS

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Wayne Slater          | Seats (Total: 60) |
|      | TuTh 12:30pm - 1:45pm | TWS 1100          |

**EDCI298****Special Problems in Teacher Education**

(Perm req)

Credits: 1-6      Grading Method: Regular,  
Pass-Fail, Audit**Contact department for information to register for this course.****EDCI305B****Curriculum and Instruction Cluster**

(Perm req)

Credits: 0      Grading Method:

|   |                 |                   |
|---|-----------------|-------------------|
| 0101  | Instructor: TBA | Seats (Total: 30) |
| Contact instructor or department for details. |                 |                   |
| 0201  | Instructor: TBA | Seats (Total: 30) |
| Contact instructor or department for details. |                 |                   |
| 0301  | Instructor: TBA | Seats (Total: 30) |
| Contact instructor or department for details. |                 |                   |

**EDCI305M****Curriculum and Instruction Cluster**

(Perm req)

Credits: 0      Grading Method:

|   |                 |                   |
|---|-----------------|-------------------|
| 0101  | Instructor: TBA | Seats (Total: 20) |
| Contact instructor or department for details. |                 |                   |

**EDCI352****Curriculum and Instruction in Elementary Education: Mathematics**



(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: EDCI397. Corequisite: EDCI362, EDCI342, EDCI372, and EDCI322. Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching and Learning, Policy and Leadership department.*

*Materials and procedures to help children sense arithmetical meanings and relationships. Development of an understanding of the number system and arithmetical processes. Includes laboratory/field experiences.*

|      |   |                  |
|------|---|------------------|
| 0101 | Angela Stoltz                                 | Seats (Total: 0) |
|      | M 12:00pm - 2:45pm                            | EDU 2121         |
|      | Contact instructor or department for details. |                  |
| 0201 | Angela Stoltz                                 | Seats (Total: 0) |
|      | Th 8:30am - 11:15am                           | EDU 2121         |
|      | Contact instructor or department for details. |                  |
| 0301 | Imani Goffney                                 | Seats (Total: 0) |
|      | Tu 8:30am - 11:15am                           | EDU 2121         |
|      | Contact instructor or department for details. |                  |

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### EDCI355

#### Field Experience in Secondary Mathematics Education

(Perm req)

Credits: 1

Grading Method: Sat-Fail

*Prerequisite: Minimum of 6 credits from MATH400-499 course range. Corequisite: EDCI 455.*

*Restriction: Must be in Secondary Educ: Mathematics program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.*

*Practical experience as an aide to two secondary mathematics teachers (middle grades and high school); assigned responsibilities and participation in a variety of teaching/learning activities.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Angela Stoltz                                 | Seats (Total: 20) |
|      | Contact instructor or department for details. |                   |

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### EDCI360

#### Field Experience in Middle School

(Perm req)

Credits: 1

Grading Method: Sat-Fail

*Prerequisite: EDCI457 and EDCI411; or permission of instructor. Corequisite: EDCI413 and EDCI424.*

*Restriction: Minimum cumulative GPA of 2.5; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in the Middle School Teacher Education Program. Credit only granted for: EDCI355, EDCI360 or EDCI375.*

*A Middle-school field experience that precedes student teaching.*

Two hours per week required in a school for field experience.

|      |   |                  |
|------|---|------------------|
| 0101 | Stacy Pritchett                               | Seats (Total: 0) |
|      | Contact instructor or department for details. |                  |

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**EDCI372 Curriculum and Instruction in Elementary Education: Science**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: EDCI397. Corequisite: TLPL312, EDCI362, EDCI342, and EDCI322. Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching and Learning, Policy and Leadership department.*

*Objectives, methods, materials and activities for teaching science in the elementary school; emphasis on teaching strategies which help children learn the processes and concepts of science. Includes laboratory/field experiences.*

|      |   |                  |
|------|---|------------------|
| 0101 | James McGinnis                                | Seats (Total: 0) |
|      | M 8:30am - 11:15am                            | EDU 2212         |
|      | Contact instructor or department for details. |                  |
| 0201 | James McGinnis                                | Seats (Total: 0) |
|      | Th 12:00pm - 2:45pm                           | EDU 2212         |
|      | Contact instructor or department for details. |                  |
| 0301 | James McGinnis                                | Seats (Total: 0) |
|      | Tu 12:00pm - 2:45pm                           | EDU 2212         |
|      | Contact instructor or department for details. |                  |

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**EDCI375 Field Experience in Science Education**

Credits: 1                      Grading Method: Sat-Fail

*Corequisite: EDCI470. Restriction: Must be in Secondary Educ: Science program.*

*This field experience course is designed to provide prospective teacher with knowledge of theory and best school practice relevant to effective pedagogy, current educational goals, and trends in educational assessment in a public school environment. Topics include planning, instructional delivery, diversity and individual differences, classroom management, technology, and inclusion of students with special needs.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Tranae Johnson                                | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |

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**EDCI400****Field Experience in Art Education**

(Perm req)

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of EDUC-Teaching and Learning, Policy and Leadership department; and must be in Secondary Educ: Art program.*

*Practical classroom experience in teaching/evaluating/exhibiting the products of art lessons.*

Six hours for field experience required.

|      |   |                   |
|------|---|-------------------|
| 0101 | Susan Hendricks                               | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

**EDCI403****Introduction to Teaching Art in Schools**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Minimum cumulative GPA of 2.75.*

*Introduction to the field of Art Education and the role of the visual arts in grades PreK-12 for today's diverse school populations. The fundamental, historical and philosophic components of art education with an emphasis on arts disciplines and curriculum. Includes a school-based practicum. For those considering art education as a major.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Margaret Walker     | Seats (Total: 19) |
|      | Th 9:00am - 12:00pm | EDU 1315          |

**EDCI406****Technology and Two-Dimensional Art**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARTT210. Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and junior standing or higher; and must not be in any of the following programs (Early Childhood Education; Elementary Education; Secondary Educ: Science; Secondary Educ: English Language Arts; Secondary Educ: Mathematics; Secondary Educ: Foreign Languages; Secondary Educ: Social Studies; Physical Education; Music Education; Special Education).*

*A discussion/studio format used to develop skills, materials, resources and education strategies for using technology and two-dimensional art in K-12 programs.*

|      |                     |                                |
|------|---------------------|--------------------------------|
| 0101 | Margaret Walker     | Seats (Total: 19)              |
|      | Th 12:30pm - 4:05pm | EDU 1315                       |
|      | Th 4:15pm - 5:30pm  | Location: TBA              Lab |

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**EDCI410                    Methods I: K-12 World Language Methods and Technology**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP

*Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: EDCI330 or EDCI410. Formerly: EDCI330.*

*The first of two sequential courses required for achieving competence i teaching a foreign language. The sequel to this course is EDCI433 (Methods II) entitled: Advanced K-12 Foreign Language Methods and Technology. EDCI410 requires on-going examination of theories relevant to language acquisition. Students will also investigate the instructional methods that reflect those theories. Lab and field experiences required.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Perla Blejer       | Seats (Total: 15) |
|      | MW 2:00pm - 3:15pm | EDU 3315          |

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**EDCI411                    Knowledge, Reasoning, and Learning in Science**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP

*Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: EDCI370 or EDCI411. Formerly: EDCI370.*

*For prospective science teachers. Investigations of the nature of knowledge, reasoning, and learning in middle and secondary science. Readings from cognitive science and science education research; studies of student thinking in interview and classroom observations; analyses of curricula. Includes laboratory and field experiences.*

|      |                      |                  |
|------|----------------------|------------------|
| 0101 | Daniel Levin         | Seats (Total: 0) |
|      | TuTh 3:30pm - 4:45pm | KEY 0123         |

|      |                       |                   |
|------|-----------------------|-------------------|
| SG91 | Daniel Levin          | Seats (Total: 36) |
|      | TuTh 9:00am - 10:15am | BLD3 2133         |

*Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email [usgbiosci@umd.edu](mailto:usgbiosci@umd.edu) for permission.*

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**EDCI413                    Interdisciplinary Teaching in the Middle Grades I**

Credits: 2

Grading Method: Regular,  
Pass-Fail, Audit

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*Prerequisite: TLPL413 and TLPL420; or permission of instructor. Corequisite: EDCI360 and EDCI424. Restriction: Minimum cumulative GPA of 2.75; and must be in the Middle School Teacher Education Program, major code 0804P.*

*For prospective middle school teachers. Studying and planning interdisciplinary instructional practices in middle school. Utilizes context and experiences from students' field placements. Use of technology and incorporation of technology into instruction.*

|      |                      |                  |
|------|----------------------|------------------|
| 0101 | Janet Walkoe         | Seats (Total: 0) |
|      | Th 10:00am - 12:00pm | EDU 3236         |

## **EDCI416 Teaching and Learning in Secondary Education: English**

(Perm req)

Credits: 3

Grading Method: Regular

General Education: DSSP

*Credit only granted for: EDCI340 or EDCI416. Formerly: EDCI340.*

*An introduction for prospective middle and secondary English teachers into the basic issues, concepts, orientations, and processes that shape the teaching of English for diverse students in schools.*

*Candidates explore their own perspectives in relation to local and national trends and develop basic teaching understanding and skills through on-campus seminars, teaching laboratory experiences, and guided field experiences. Students should reserve one full day or two half days per week for field experience.*

Reserve one half day for entire semester for field experience.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Peggy Wilson       | Seats (Total: 12) |
|      | M 8:30am - 10:15am | EDU 2121          |
|      | W 8:30am - 10:15am | EDU 2121 Lab      |
| 0102 | Peggy Wilson       | Seats (Total: 12) |
|      | M 8:30am - 10:15am | EDU 2121          |
|      | M 2:30pm - 4:15pm  | KNI 1103 Lab      |

## **EDCI423 Art Education Methods II**

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: TLPL435; or students who have taken courses with comparable content may contact the department. Corequisite: TLPL430. Restriction: Minimum cumulative GPA of 2.75; and must be in Secondary Educ: Art program.*

*Methods II builds upon the pedagogical foundation of Methods I and provides future art teachers with the means for developing pre K-12 art lessons and unit plans for a balanced qualitative art program for today's diverse and inclusive schools and classrooms.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Susan Hendricks     | Seats (Total: 18) |
|      | Tu 9:00am - 12:00pm | EDU 1315          |

#### EDCI424 **Equitable Classrooms**

Credits: 2      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: TLPL252, TLPL413, and TLPL420. Corequisite: EDCI360 and TLPL423. Restriction: Minimum cumulative GPA of 2.75; and must be in Middle School Education program.*

*An exploration and application of major theoretical frameworks surrounding equity and critical pedagogy. Creating habits of mind that help teachers see all students as capable of achieving at high levels. Draws on the concurrent field experience.*

|      |                      |                  |
|------|----------------------|------------------|
| 0101 | Kristin Sinclair     | Seats (Total: 0) |
|      | Tu 10:00am - 12:00pm | EDU 2101         |

#### EDCI426 **Knowledge, Reasoning, and Learning in Secondary Social Studies**

(Perm req)

Credits: 3      Grading Method: Regular

*Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department; and minimum cumulative GPA of 2.75.*

*An exploration of the nature of knowledge and reasoning in social studies disciplines as well as how students learn social studies. Assessment and investigation of students' conceptions and misconceptions as well as their disciplinary thinking. Implications for teaching and initial lesson design are explored through on-campus seminars as well as guided field experiences. Students should reserve a regular half-day per week for the field experience in local schools. This course is required for admission to the secondary social studies double major.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Lisa Eaker         | Seats (Total: 30) |
|      | Th 4:15pm - 7:00pm | ASY 3215          |

#### EDCI427 **Curriculum, Teaching, and Assessment in Secondary Social Studies**

(Perm req)

Credits: 3      Grading Method: Regular,      General Education: DSSP  
Pass-Fail, Audit

*Prerequisite: EDCI426. Corequisite: EDCI428. Restriction: Must be in Secondary Educ: Social Studies program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Center for Learning & Educational Technology.*

*An exploration of curriculum development, teaching, and assessment in secondary history/social studies. Focus on identifying students' conceptions of social studies topics and designing lessons that advance students' disciplinary thinking and understanding.*

Also offered as EDCI350.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Alison Jovanovic   | Seats (Total: 15) |
|      | Tu 5:30pm - 8:15pm | ASY 3217          |

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**EDCI428      Field Experience in Secondary Social Studies Teaching**

(Perm req)

Credits: 1      Grading Method: Sat-Fail

*Practical experience as an aide to a regular social studies teacher; assigned responsibilities and participation in a variety of teaching/learning activities. Students must reserve one full day per week for internship placement.*

Co-requisite: EDCI427. Students must reserve one full day per week for observation.

|      |   |                   |
|------|---|-------------------|
| 0101 | Alison Jovanovic                              | Seats (Total: 35) |
|      | Contact instructor or department for details. |                   |

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**EDCI432      Issues in the Education of English Language Learners**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: EDCI432 or EDCI488Q. Formerly: EDCI488Q.*

*Introduction to and analysis of current and historical research, practice, trends, and public policy issues in education as they relate to English language learners in K-12 and other settings.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Ethan Sewall          | Seats (Total: 25) |
|      | TuTh 9:30am - 10:45am | EDU 2102          |

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**EDCI433      Advanced K-12 World Language Methods and Technology**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: TLPL445. Corequisite: EDCI438. Restriction: Must be in Secondary Educ: Foreign Languages program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching and Learning, Policy and Leadership department.*

*Teaches advanced best practices for effective foreign language instruction. Topics include: using authentic assessment and materials, applying national standards, teaching writing and culture, motivating students, providing strategy instruction, infusing technology, preparing for K-12 employment, and creating a professional portfolio.*

EDCI438 must be taken concurrently with EDCI433.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Perla Blejer      | Seats (Total: 10) |
|      | M 5:00pm - 7:45pm | EDU 3233          |

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### **EDCI436      Understanding Cross-Cultural Communication for Teaching English Language Learners**

Credits: 3                      Grading Method: Regular                      General Education: DVCC

*Credit only granted for: EDCI436 or EDCI488T. Formerly: EDCI488T.*

*Theories of intercultural communication and techniques for applying them in the teaching of English as a second language (ESL) and content classes. Research and evaluation of selected aspects of a culture as basis for creating, selecting and using culturally-responsive teaching materials and methods.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Melinda Martin-Beltran | Seats (Total: 25) |
|      | M 1:15pm - 4:00pm      | EDU 3233          |
| 0201 | Melinda Martin-Beltran | Seats (Total: 12) |
|      | W 5:00pm - 7:45pm      | JMZ 3203          |

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### **EDCI438      Field Experience in Second Language Education; Field Experience in Second Language Education**

(Perm req)

Credits: 1                      Grading Method: Sat-Fail

*Practical experience as an aide to a regular foreign language teacher; assigned responsibilities and participation in a variety of teaching/learning activities.*

EDCI 433 must be taken concurrently with EDCI 438.

|      |   |                   |
|------|---|-------------------|
| 0101 | Perla Blejer                                  | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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### **EDCI440      Internship Seminar in Secondary Education: English**

Credits: 1                      Grading Method: Sat-Fail

*Prerequisite: EDCI447 and EDCI467. Corequisite: EDCI441 and EDCI474. Restriction: Must be in Secondary Educ: English Language Arts program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.*



*A review and analysis of current instructional theories, strategies and best practice in relation to the teaching internship. Meets at area high school; location provided before first meeting.*

**Contact department for information to register for this course.**

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**EDCI441 Internship in Secondary Schools: English**

Credits: 12                      Grading Method: Sat-Fail

*Prerequisite: EDCI447 and EDCI467. Corequisite: EDCI440 and EDCI474. Restriction: Must be in Secondary Educ: English Language Arts program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.*

*Practical experience as a full-time intern with a fully licensed English teacher in a diverse school setting; assigned professional responsibilities and participates in teaching/learning experiences. Internship lab fee applies. See current program description for details.*

**Contact department for information to register for this course.**

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**EDCI443 Literature for Children and Youth**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in Elementary Education program; or must be a Pre-Education Major.*

*Analysis of literary materials for children and youth. Timeless and ageless books, and outstanding examples of contemporary publishing. Evaluation of the contributions of individual authors, illustrators and children's book awards.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Margaret Peterson | Seats (Total: 25) |
|      | W 1:00pm - 3:45pm | EDU 2101          |
| 0301 | Margaret Peterson | Seats (Total: 23) |
|      | M 1:00pm - 3:45pm | EDU 2102          |

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**EDCI447 Field Experience in English Teaching**

(Perm req)

Credits: 1                      Grading Method: Sat-Fail

*Corequisite: EDCI467. Restriction: Must be in Secondary Educ: English Language Arts program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.*

*Practical experience as a part-time intern working with a fully licensed English teacher in a diverse school setting. Students must reserve one full day or two half days per week for the part-time internship.*

Secondary English/speech/drama education majors only. Students must reserve one full day per week for observation.

|      |   |                   |
|------|---|-------------------|
| 0101 | Peggy Wilson                                  | Seats (Total: 25) |
|      | Contact instructor or department for details. |                   |

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**EDCI451      Student Teaching in Secondary Schools: Mathematics**

(Perm req)

Credits: 12      Grading Method: Sat-Fail

*Corequisite: EDCI450. Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching and Learning, Policy and Leadership department; and must be in Secondary Educ: Mathematics program.*

**Contact department for information to register for this course.**

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**EDCI457      Teaching and Learning Middle School Mathematics**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      General Education: DSSP

*Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching and Learning, Policy and Leadership department.*

*Methods of teaching and assessing the middle school mathematics curriculum. Understanding the conceptual difficulties students have in moving from whole numbers to rational numbers, additive thinking to multiplicative thinking, and arithmetic to algebra. Lesson planning and selection of technology and other materials are applied in the context of supervised tutoring of students having difficulty in middle school mathematics. Lab and field experience required. Supervised tutoring takes place on site at a local middle school therefore EDCI 457 students will be expected to travel to a local middle school for 8-10 of the class meetings.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Monica Dunsworth     | Seats (Total: 25) |
|      | TuTh 3:10pm - 5:00pm | EDU 2121          |

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**EDCI461      Materials and Instruction for Creating Skilled and Motivated Readers, Part I**

(Perm req)

Credits: 3      Grading Method: Regular

*Restriction: Must be in Elementary Education program; and junior standing or higher. Or permission of EDUC-Teaching and Learning, Policy and Leadership department.*

*Selecting, evaluating, and using a variety of materials and instructional strategies to create skilled and motivated readers in the elementary grades; Topics include emergent literacy, vocabulary development, reading comprehension and oral reading fluency in diverse classroom settings.*

**Contact department for information to register for this course.**

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**EDCI463****Reading in the Secondary School**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Minimum cumulative GPA of 2.75; and must be in one of the following programs (Middle School Education; Secondary Educ: Science; Secondary Educ: English Language Arts; Secondary Educ: Mathematics; Secondary Educ: Foreign Languages; Secondary Educ: Social Studies; Secondary Educ: Art) ; and permission of department required for post-baccalaureate students.*

*Provides secondary school teachers with understanding the need for and approaches to teaching students to read and learn from content area texts.*

Also offered as EDCI 661.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Olivia Saracho     | Seats (Total: 30) |
|      | Tu 2:00pm - 4:30pm | WDS 1114          |
| 0201 | Olivia Saracho     | Seats (Total: 23) |
|      | W 2:00pm - 4:30pm  | ASY 3217          |

**EDCI466****Literature for Adolescents**

Credits: 3                      Grading Method: Regular,                      General Education: DSHU  
Pass-Fail, Audit

*Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching and Learning, Policy and Leadership department.*

*Reading and analysis of fiction and nonfiction; methods for critically assessing quality and appeal; current theory and methods of instruction; research on response to literature; curriculum design and selection of books.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Colleen Gannon    | Seats (Total: 30) |
|      | M 5:00pm - 7:45pm | EDU 2119          |

**EDCI467****Teaching Writing**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Corequisite: EDCI447. Restriction: Must be in Secondary Educ: English Language Arts program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching and Learning, Policy and Leadership department.*

*Examines current theory, research, best practice, curricula and materials for teaching written communication in grades K-12. Focuses on analytical, argumentative, informative/explanatory, literary analysis, narrative, descriptive, and research writing. Emphasizes instructional planning, assessment, writer problem-solving strategies, information search, development, organization and style appropriate to task, purpose and audience for both non-digital and digital text. English Language Learner and special needs pupil issues considered.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Wayne Slater       | Seats (Total: 30) |
|      | Th 5:00pm - 7:45pm | EDU 2121          |

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## **EDCI474 Teaching Academically, Culturally, and Linguistically Diverse Students in Secondary Education**

Credits: 2                      Grading Method: Regular,  
Pass-Fail, Audit

*Corequisite: Enrolled in internship/certification area. Restriction: Must be in one of the following programs (Secondary Educ: Science; Secondary Educ: English Language Arts; Secondary Educ: Mathematics; Secondary Educ: Foreign Languages; Secondary Educ: Social Studies; Secondary Educ: Art) ; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.*

*Multi-disciplinary capstone course for Secondary Education majors. Discussion of pedagogical and content issues relevant for teaching academically, culturally, and linguistically diverse students with particular emphasis on students with special educational needs and English language learners. Students develop and use curriculum-based assessments and/or lessons with these groups of students.*

|      |   |                  |
|------|---|------------------|
| 0101 | Miji Kim, Lijuan Shi                          | Seats (Total: 0) |
|      | Tu 9:15am - 10:00am                           | EDU 2101         |
|      | Th 9:15am - 10:00am                           | EDU 3236         |
|      | Contact instructor or department for details. |                  |

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## **EDCI475 Embracing Diversity in the Classroom Community**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Admission to teacher education program; or permission of EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: EDCI475 or EDCI488L. Formerly: EDCI488L.*

*An exploration of the richness and complexity of student diversity that teacher candidates will encounter in K-12 classrooms. Students will engage in critical reflection around diversity and equity issues.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Saroja Warner      | Seats (Total: 25) |
|      | Tu 3:30pm - 6:15pm | JMZ 0103          |

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**EDCI488A      Selected Topics in Teacher Education; Classroom Interactions**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

Please contact Anisha Campbell, amcamp10@umd.edu, for registration permission and additional course information.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Daniel Levin      | Seats (Total: 20) |
|      | M 5:00pm - 8:00pm | EDU 2212          |

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**EDCI488C      Selected Topics in Teacher Education; Foundations of Literacy and Biliteracy Development**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Megan Stump          | Seats (Total: 25) |
|      | MW 11:00am - 12:15pm | LEF 1220          |

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**EDCI488F      Selected Topics in Teacher Education; Promoting Skilled and Motivated Readers in Elementary Classrooms (Part 2)**

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

|      |                     |                  |
|------|---------------------|------------------|
| 0101 | Peter Afflerbach    | Seats (Total: 0) |
|      | Tu 12:10pm - 2:45pm | EDU 1315         |
| 0201 | Ayanna Baccus       | Seats (Total: 0) |
|      | W 8:30am - 11:15am  | EDU 2212         |
| 0301 | Jennifer Himmel     | Seats (Total: 0) |
|      | M 12:00pm - 2:45pm  | ASY 3215         |

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**EDCI488M      Selected Topics in Teacher Education; Knowing and Learning**

(Perm req)

Credits: 3                      Grading Method: Regular,                      General Education: DSHS  
Pass-Fail, Audit

Prerequisite: permission of department.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Lawrence Clark    | Seats (Total: 20) |
|      | W 4:00pm - 6:50pm | PHY 1108          |

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**EDCI488P****Selected Topics in Teacher Education; Project Based Instruction (PBI)**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

Pre- or Co-requisite: EDCI 488M. Please contact Anisha Campbell, amcamp10@umd.edu, for registration permission and additional course information. Additional Information: Field experience for this course will require students to be available for a 2-4 hour block of time at various points throughout the semester to complete observations and teach lessons between 8:00 a.m. and 3:30 p.m. Fourth course in the Terrapin Teachers teacher preparation sequence. This course builds upon the inquiry-based practices developed in prior courses, with a focus on using project-based instruction for teaching math and science. Students will work closely with College of Education faculty and Master Teachers to develop and implement a multi-day series of lessons in a local high school class. This mini-unit includes a field study experience for the high school students.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Sarah Henson-Darko   | Seats (Total: 20) |
|      | TuTh 3:30pm - 4:50pm | EDU 2212          |

**EDCI488R****Selected Topics in Teacher Education; Language and Literacy Development in Schools and Communities**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

|      |                         |                   |
|------|-------------------------|-------------------|
| 0101 | Loretta Holmberg-Masden | Seats (Total: 28) |
|      | Tu 9:00am - 11:45am     | EDU 3236          |
| 0201 | Leslie Page-Voth        | Seats (Total: 28) |
|      | Th 9:00am - 11:45am     | EDU 2212          |
| 0301 | Leslie Page-Voth        | Seats (Total: 28) |
|      | M 9:00am - 11:45am      | EDU 3236          |

**EDCI488Z****Selected Topics in Teacher Education; Classroom Interactions Lab Experience**

(Perm req)

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

Please contact Anisha Campbell, amcamp10@umd.edu, for registration permission and additional course information.

|      |   |                   |
|------|---|-------------------|
| 0101 | Instructor: TBA                               | Seats (Total: 20) |
|      | Contact instructor or department for details. |                   |

**EDCI489****Field Experiences in Education**

(Perm req)

Credits: 1-4

Grading Method: Sat-Fail,  
Audit

**Contact department for information to register for this course.**

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**EDCI489B**

**Field Experiences in Education; Tutoring**

(Perm req)

Credits: 1

Grading Method: Sat-Fail,  
Audit

Must be an Elementary Education major with a minimum cumulative GPA of 2.75. Most schools are within a 20 minute commute with more travel time needed if public transportation is required. Allow for travel time between on-campus coursework and the off-campus school experience. All schools require a background check and fingerprinting, which must be completed annually, prior to the start of the experience, at an additional cost of approximately \$62.

|      |                                       |                                    |     |
|------|---------------------------------------|------------------------------------|-----|
| 0101 | Leslie Gettier<br>M 9:00am - 12:00pm  | Seats (Total: 20)<br>Location: TBA | Lab |
| 0102 | Leslie Gettier<br>M 12:30pm - 3:30pm  | Seats (Total: 20)<br>Location: TBA | Lab |
| 0103 | Leslie Gettier<br>Tu 9:00am - 12:00pm | Seats (Total: 20)<br>Location: TBA | Lab |
| 0104 | Leslie Gettier<br>Tu 12:30pm - 3:30pm | Seats (Total: 20)<br>Location: TBA | Lab |
| 0105 | Leslie Gettier<br>Tu 3:00pm - 6:00pm  | Seats (Total: 20)<br>Location: TBA | Lab |
| 0106 | Leslie Gettier<br>W 9:00am - 12:00pm  | Seats (Total: 20)<br>Location: TBA | Lab |
| 0107 | Leslie Gettier<br>W 11:00am - 2:00pm  | Seats (Total: 20)<br>Location: TBA | Lab |
| 0108 | Leslie Gettier<br>W 3:00pm - 6:00pm   | Seats (Total: 20)<br>Location: TBA | Lab |
| 0109 | Leslie Gettier<br>Th 9:00am - 12:00pm | Seats (Total: 20)<br>Location: TBA | Lab |

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0110 | Leslie Gettier      | Seats (Total: 20) |     |
|      | Th 11:00am - 2:00pm | Location: TBA     | Lab |
| 0111 | Leslie Gettier      | Seats (Total: 20) |     |
|      | Th 3:00pm - 6:00pm  | Location: TBA     | Lab |
| 0112 | Leslie Gettier      | Seats (Total: 20) |     |
|      | F 9:00am - 12:00pm  | Location: TBA     | Lab |
| 0113 | Leslie Gettier      | Seats (Total: 20) |     |
|      | F 12:00pm - 3:00pm  | Location: TBA     | Lab |

#### EDCI498

#### Special Problems in Teacher Education

(Perm req)

Credits: 1-6      Grading Method: Regular,  
Pass-Fail, Audit

*Individual study of approved problems.*

**Contact department for information to register for this course.**

#### EDCI602

#### The Teaching of Aesthetics in the Public Schools

Credits: 3      Grading Method: Regular,  
Audit

*Critical investigation of art, and curriculum implications.*

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 0101 | Margaret Walker    | Seats (Total: 17) |  |
|      | Tu 4:15pm - 7:00pm | EDU 1315          |  |

#### EDCI603

#### Integrated Art Methods

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: EDCI680; or TLPL435. Restriction: Must be in a major within the EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: EDCI423, EDCI603, or EDCI688D. Formerly: EDCI688D.*

*Builds upon the pedagogical foundation of an initial art education methods course and provides future art teachers with the means for developing PreK-12 art lesson/unit plans for a balanced qualitative art program for today's diverse and inclusive schools/classrooms. Integrating art with other subject areas.*

**Contact department for information to register for this course.**



**EDCI604      Learning and Teaching in the Physical Sciences I**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Enrollment in an EDCI Outreach Program in science education; or must be in Curriculum and Instruction (Master's) program; or permission of instructor. Credit only granted for: EDCI604 or EDCI688F. Formerly: EDCI688F.*

*Engagement in laboratory and inquiry-based methods to develop coherent understandings about the physical world and explore issues in the physical sciences. Personal engagements with phenomena and reflection on the learning and instructional experiences.*

**Contact department for information to register for this course.**

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**EDCI611      Studying Student Learning in Diverse Settings**

Credits: 3                      Grading Method: Regular,  
   Audit

*This course deepens teacher understanding of student development and th cultural context for teaching through readings and focused field studies. Participants will also begin developing skills needed for investigations using methods of interpretive inquiry.*

**Contact department for information to register for this course.**

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**EDCI618      Proseminar for Teaching Internship**

Credits: 1-3                      Grading Method: Regular,  
   Audit

*Supports and complements candidates' internship experiences. Extends skills in implementing less plans (lesson planning), culturally competent teaching, classroom management, issues of professionalism, and protfolio development.*

**Contact department for information to register for this course.**

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**EDCI619      Developing a Professional Portfolio**

Credits: 1-3                      Grading Method: Regular,  
   Audit

*Students will examine issues of performance assessment and develop professional portfolios following the guidelines established by the National Board for Professional Teaching Standards. Drawing on the research data collected throughout their program and relying on inquiry, reflections, and analysis, they will synthesize and present the body of their teaching experience.*

**Contact department for information to register for this course.**

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**EDCI625      Reading, Cognition, and Instruction: Reading in the Content Areas I**

Credits: 3                      Grading Method: Regular

**Contact department for information to register for this course.**

**Contact department for information to register for this course.**

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Jeff MacSwan               | Seats (Total: 20) |
|      | Class time/details on ELMs | ONLINE            |

**Contact department for information to register for this course.**

Credits: 3      Grading Method: Regular, Audit

*Theories of intercultural communication and techniques for applying them in the teaching of English as a second language (ESL) and content classes. Research and evaluation of selected aspects of a culture as basis for creating, selecting and using culturally-responsive teaching materials and methods.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Melinda Martin-Beltran | Seats (Total: 13) |
|      | W 5:00pm - 7:45pm      | JMZ 3203          |

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#### **EDCI634      Methods of Teaching ESOL**

Credits: 3                      Grading Method: Regular,  
   Audit

*This course presents a survey of the historical and current approaches, methods, and techniques of teaching English to speakers of other languages, from grammar to translation to audiolingual and communicative approaches. Additionally, successful classroom practices that address the needs of culturally diverse and language minority students will be analyzed.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Megan Peercy       | Seats (Total: 20) |
|      | Th 5:00pm - 7:45pm | ASY 3217          |

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#### **EDCI635      English Grammar for Teachers of English to Speakers of Other Languages**

(Perm req)

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Permission of EDUC-Teaching and Learning, Policy and Leadership department.*

*English grammar and methods of teaching grammar for graduate, prospective and current teachers of English to speakers of other languages. Analysis of the major grammatical structures of American English. Discussion of the role of teaching grammar, and effective classroom methods and techniques for the English as a second/foreign language classroom.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Denis Sullivan     | Seats (Total: 25) |
|      | Tu 5:00pm - 7:45pm | JMZ 0122          |

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#### **EDCI636      Teaching ESOL Reading and Writing in the Elementary Classroom Areas**

(Perm req)

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: EDCI634.*

*Analysis of elementary school classroom culture, social contexts, and instructional strategies which foster language development in elementary school content areas.*

**Contact department for information to register for this course.**

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## EDCI640

Credits: 3

*Recent developments in educational thinking and practice on the curriculum in English education.*

**Contact department for information to register for this course.**

## EDCI650

Credits: 3

*Recent developments in educational thinking and practice which have affected the curriculum in mathematics.*

MCMM Mont. Co. Middle School Math Program, registration restricted to program participants.

**Contact department for information to register for this course.**

## EDCI651

Credits: 3

*Prerequisite: Enrollment in a University of Maryland program leading to teacher certification; and bachelor's degree in mathematics or related field; and 2 semesters of calculus.*

*Objectives, selection and organization of subject matter, appropriate methods, lesson plans, textbooks, technology and other instructional materials; assessment of student learning and other topics pertinent to secondary mathematics education. Internship of other placement in a secondary mathematics classroom is required.*

Prerequisite: Permission of department.

**Contact department for information to register for this course.**

## EDCI652

Credits: 3

*Prerequisite: MATH212, MATH213, or MATH214; or students who have taken courses with comparable content may contact the department.*

*Strategies and methodologies for the teaching of elementary school mathematics based on current research and theories about how children learn mathematics. Attention is given to professional recommendations and teaching practices that foster communication, reasoning, and reflection in the mathematics classroom. Internship or other placement in an elementary school is required.*

**Contact department for information to register for this course.**

**EDCI656**

Credits: 3

*Prerequisite: Admission to M.Ed. or M.A. program in EDCI with concentration in Mathematical Education.*

*Designed to enhance both the pedagogical and statistical/data analysis content knowledge of middle school mathematics teachers.*

**Contact department for information to register for this course.**

## EDCI660

(Perm req)

Credits: 3

*Prerequisite: EDCI362; or TLPL462; or students who have taken courses with comparable content may contact the department.*

*Broad and comprehensive overview of reading and literacy and factors that may influence effective reading practices such as instruction, classroom environment and individual differences. Focus on different knowledge domains and traditions of inquiry related to reading and reading instruction.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Peter Afflerbach   | Seats (Total: 20) |
|      | Tu 4:15pm - 7:00pm | ASY 3221          |

**EDCI661**

(Perm req)

Credits: 3

*Prerequisite: EDCI362; or TLPL462; or students who have taken courses with comparable content may contact the department.*

*Research-based strategies for improving reading to learn in the content areas (K-12).*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Ying Alice Zhang   | Seats (Total: 20) |
|      | Tu 5:00pm - 7:45pm | KNI 1103          |

## EDCI662

Credits: 3

*Restriction: Permission of EDUC-Teaching and Learning, Policy and Leadership department.*

*Survey course in diagnostic reading assessment and instruction for graduate students not majoring in reading.*

**Contact department for information to register for this course.**

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**EDCI663      Understanding, Evaluating and Using Research in School Reading Programs**

Credits: 3                      Grading Method: Regular,  
   Audit

*Focus on understanding, critiquing, and applying reading/literacy research; reviewing research to improve practice; analyzing data at the district, school, classroom, and student levels to improve reading instruction.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Mariam Dreher      | Seats (Total: 25) |
|      | Th 4:15pm - 7:00pm | EDU 3315          |

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**EDCI664      Clinical Assessment in Reading**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: EDCI661 and EDCI663; or permission of EDUC-Teaching and Learning, Policy and Leadership department.*

*Clinical diagnostic techniques and materials for assessing reading strengths and needs.*

**Contact department for information to register for this course.**

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**EDCI671      Teaching Science in Elementary Schools**

Credits: 3                      Grading Method: Regular,  
   Audit

*Identification of problems in teaching science. Methods for improving the effectiveness of science education.*

**Contact department for information to register for this course.**

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**EDCI675      Learning to Teach and Learn Science**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: TLPL420; or permission of EDUC-Teaching and Learning, Policy and Leadership department. Restriction: Must be in the Maryland Master's Certification program; or permission of EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: EDCI675 or EDCI788V. Formerly: EDCI788V.*

*Developing practices of instruction in science teaching in the context of understanding student science learning.*

**Contact department for information to register for this course.**

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**EDCI682 Reframing Teacher Professionalism: Achieving Teacher Leadership**

Credits: 3                      Grading Method: Regular,  
   Audit

*Understanding the profession of teaching, teacher leadership, and the knowledge base that undergirds the teaching profession. Multiple perspectives on teaching in the current debate on school reform and how they are aligned across the political spectrum.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | David Imig        | Seats (Total: 20) |
|      | W 4:30pm - 7:00pm | EDU 2119          |

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**EDCI683 Teaching and Learning Number in the Middle Grades**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Admission to M.A or M.Ed. w/ concentration in Mathematics Education; or permission of EDUC-Teaching and Learning, Policy and Leadership department.*

*Students develop reflective, theoretical perspectives toward and practical approaches for the teaching and learning of the number system in middle school. There is an emphasis on rational numbers and its pedagogical content knowledge.*

**Contact department for information to register for this course.**

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**EDCI688A Special Topics in Curriculum and Instruction; Advanced K-12 Foreign Language Methods and Technology**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
   Audit

*Current topics and issues in teaching.*

|      |                   |                  |
|------|-------------------|------------------|
| 0101 | Perla Blejer      | Seats (Total: 5) |
|      | M 5:00pm - 7:45pm | EDU 3233         |

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**EDCI688C Special Topics in Curriculum and Instruction; Teaching Middle School Math for English Learners**

Credits: 3                      Grading Method: Regular,  
   Audit

*Current topics and issues in teaching.*

**Contact department for information to register for this course.**

**EDCI688E**

## Special Topics in Curriculum and Instruction; Connecting to the Core Curriculum: Building Teaching Capacity for Arts Integration

Credits: 3

Grading Method: Regular,  
Audit

*Current topics and issues in teaching.*

**Contact department for information to register for this course.**

**EDCI688J**

## Special Topics in Curriculum and Instruction; Multiliteracies: Theory and Practice

Credits: 3

Grading Method: Regular,  
Audit

*Current topics and issues in teaching.*

**Contact department for information to register for this course.**

**EDCI688K**

**Special Topics in Curriculum and Instruction; Methods I: K-12 Foreign Language Methods and Technology**

Credits: 3

Grading Method: Regular,  
Audit

*Current topics and issues in teaching.*

|      |                    |                  |
|------|--------------------|------------------|
| 0101 | Perla Blejer       | Seats (Total: 5) |
|      | MW 2:00pm - 3:15pm | EDU 3315         |

**EDCI688R**

## Special Topics in Curriculum and Instruction; Explorations in Mathematics for Elementary Teachers

Credits: 3

Grading Method: Regular,  
Audit

*Current topics and issues in teaching.*

**Contact department for information to register for this course.**

**EDCI689**

## Teaching Internship

Credits: 1-9

Grading Method: Regular,  
Audit

*Internship experiences in elementary or secondary teaching with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students admitted to graduate teacher education program option.*

Student lab fee may apply. Contact program for details.



|      |   |                   |
|------|---|-------------------|
| 0101 | Perla Blejer                                  | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0201 | Jennifer Himmel                               | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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### **EDCI697      Embracing Diversity in Classroom Communities**

Credits: 3                      Grading Method: Regular,  
Audit

*The course aims to help students understand race, class, gender, and sexuality as systems of privilege, exclusion, marginalization, and the centrality of embracing diversity in the classroom communities to promote the success of all students.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Taharee Jackson    | Seats (Total: 25) |
|      | Tu 5:00pm - 7:45pm | EDU 1121          |

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### **EDCI698      Conducting Research on Teaching**

(Perm req)                      Credits: 1-3                      Grading Method: Regular

*Application of the knowledge base on effective teaching to the analysis and improvement of educational practice. Research methods used in the study of classroom teaching. Design and conduct of an action research project.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Kathleen Travers           | Seats (Total: 20) |
|      | Class time/details on ELMs | ONLINE            |

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### **EDCI730      Language and Education**

Credits: 3                      Grading Method: Regular,  
Audit

*Dialect, language varieties in school settings; historical and current perspectives on the role of language in learning; theories of school achievement and consequences for language assessment.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Jeff MacSwan      | Seats (Total: 20) |
|      | W 1:00pm - 3:45pm | EDU 2102          |

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### **EDCI732      Second Language Acquisition**

(Perm req)                      Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Permission of EDUC-Teaching and Learning, Policy and Leadership department.*

*Major theoretical approaches to second language acquisition. For teaching English to speakers of other languages (TESOL).*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Drew Fagan         | Seats (Total: 20) |
|      | Th 5:00pm - 7:45pm | EDU 2101          |

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**EDCI751      Theory and Research on Mathematical and Scientific Thinking and Learning**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: Admitted to Doctoral Program in Mathematics Education or Science Education; or permission of EDUC-Teaching and Learning, Policy and Leadership department.*

*Study of mathematical and scientific thinking by students at various levels of schooling considered from the perspective of those classic and contemporary theories of learning that are particularly relevant to the study of mathematics and science. Exploration of what it means to understand mathematics and science.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Janet Walkoe      | Seats (Total: 20) |
|      | M 4:15pm - 7:00pm | EDU 2121          |

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**EDCI758      Research Seminar in Mathematics and Science Education**

Credits: 1                      Grading Method: Regular,  
   Audit

*Read, plan, conduct, and report on research projects and research topics in mathematics and science education. Projects may be faculty/student projects, or group or individual student projects (may or may not be related to a dissertation). Emphasis on framing researchable questions and designing/analyzing research studies. Faculty and peer feedback and interaction are crucial expectations.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Daniel Chazan      | Seats (Total: 20) |
|      | F 10:00am - 1:30pm | EDU 2121          |

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**EDCI776      Urban Education**

Credits: 3                      Grading Method: Regular,  
   Audit

*This seminar provides students with a broad overview of urban education as a field of inquiry by examining the social context of urban schools, how transformative pedagogy is practiced and conceptualized as well as school reform.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Tara Brown        | Seats (Total: 20) |
|      | W 4:15pm - 7:00pm | EDU 2121          |

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**EDCI788      Selected Topics in Teacher Education; Selected Topics in Teacher Education**

Credits: 1-3      Grading Method: Regular,  
Audit

*Current topics and issues in teacher education.*

**Contact department for information to register for this course.**

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**EDCI788C      Selected Topics in Teacher Education; Foundations in Literacy Research**

Credits: 3      Grading Method: Regular,  
Audit

*Current topics and issues in teacher education.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Mariam Dreher     | Seats (Total: 20) |
|      | M 4:15pm - 7:00pm | EDU 2102          |

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**EDCI788L      Selected Topics in Teacher Education; Critical Race Theory**

Credits: 3      Grading Method: Regular,  
Audit

*Current topics and issues in teacher education.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Taharee Jackson   | Seats (Total: 20) |
|      | M 7:00pm - 9:45pm | EDU 1315          |

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**EDCI788R      Selected Topics in Teacher Education; Applied Linguistics Doctoral Seminar**

(Perm req)

Credits: 1      Grading Method: Regular,  
Audit

*Current topics and issues in teacher education.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Megan Peercy       | Seats (Total: 20) |
|      | F 12:00pm - 2:00pm | EDU 1107          |

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**EDCI788W      Selected Topics in Teacher Education; Pedagogy of Teacher Education**

Credits: 3      Grading Method: Regular,  
Audit

*Current topics and issues in teacher education.*

|      |                          |                   |
|------|--------------------------|-------------------|
| 0101 | Megan Peercy, David Imig | Seats (Total: 20) |
|      | Th 9:30am - 12:15pm      | EDU 2119          |

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**EDCI791      Qualitative Research I: Design and Fieldwork**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: EDCI790. Formerly: EDCI684.*

*Builds on EDCI790 to examine in more depth the theoretical and epistemological moorings of different types of qualitative research. Students apply selected field research methods to problems of professional practice in schools and communities while considering central issues and dilemmas that arise while engaging in fieldwork.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Jennifer Turner   | Seats (Total: 20) |
|      | W 4:30pm - 7:15pm | TWS 1321          |

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**EDCI798      Special Problems in Teacher Education; STEM (MCSTE) Outreach Program**

Credits: 1-6

Grading Method: Regular,  
Audit

*Intended for Masters, AGS, or doctoral students in education who desire to pursue a research problem.*

Teacher Leadership STEM Outreach Program. Registration restricted to program participants.

**Contact department for information to register for this course.**

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**EDCI799      Master's Thesis Research**

Credits: 1-6

Grading Method: Regular

**Contact department for information to register for this course.**

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**EDCI888      Apprenticeship in Education**

(Perm req)

Credits: 1-8

Grading Method: Regular,  
Audit

*Apprentice practice under professional supervision. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.*

**Contact department for information to register for this course.**

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**EDCI889      Internship in Education**

(Perm req)

Credits: 3-8

Grading Method: Regular,  
Audit

*Internship experiences with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.*

**Contact department for information to register for this course.**

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**EDCI898**

**Pre-Candidacy Research**

Credits: 1-8

Grading Method: Regular

**Contact department for information to register for this course.**

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**EDCI899**

**Doctoral Dissertation Research**

(Perm req)

Credits: 6

Grading Method: Regular

**Contact department for information to register for this course.**

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**EDCP**

**Education Counseling and  
Personnel Services**

**Fall 2017**

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*All sections of EDCP 108, except EDCP 108D, 108J and 108R are closed to Seniors.*

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**EDCP108B**

**College and Career Advancement: Concepts and Skills; Academic Success Strategies**

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit

*Knowledge and skills designed to enhance college as a learning experience or preparation for life.*

Course registration is closed to seniors, but they may request enrollment with permission from the instructor and only if seats are available. This course is designed to empower students to become more active learners in college and in life. By examining prior and current learning strategies, students will be encouraged to make wise choices to create new pathways for growth now and in the future.

|      |  |                   |
|------|--|-------------------|
| 0101 | Shirley Browner  | Seats (Total: 25) |
|      | <b>Meets September 5, 2017 - December 11, 2017</b>   |                   |
|      | Class time/details on ELMs   | ONLINE            |
|      | <i>This online course will have one individual meeting with the instructor which is to be arranged. For more information, please contact the course instructor by email.</i> |                   |

|      |  |                   |
|------|--|-------------------|
| 0201 | Kimberly Bethea  | Seats (Total: 25) |
|      | <b>Meets October 9, 2017 - December 11, 2017</b>   |                   |
|      | Class time/details on ELMs   | ONLINE            |
|      | <i>This online course will have one individual meeting with the instructor which is to be arranged. For more information, please contact the course instructor by email.</i> |                   |
| 0301 | Shirley Browner  | Seats (Total: 25) |
|      | <b>Meets September 5, 2017 - December 11, 2017</b>   |                   |
|      | Class time/details on ELMs   | ONLINE            |
|      | <i>This online course will have one individual meeting with the instructor which is to be arranged. For more information, please contact the course instructor by email.</i> |                   |
| 0401 | Kimberly Bethea  | Seats (Total: 30) |
|      | <b>Meets September 5, 2017 - December 11, 2017</b>   |                   |
|      | Class time/details on ELMs   | ONLINE            |
|      | <i>This online course will have one individual meeting with the instructor which is to be arranged. For more information, please contact the course instructor by email.</i> |                   |
| FCW1 | Kimberly Bethea  | Seats (Total: 10) |
|      | <b>Meets October 8, 2017 - December 11, 2017</b>   |                   |
|      | Class time/details on ELMs   | ONLINE            |

#### EDCP108I

#### College and Career Advancement: Concepts and Skills; Academic Transitions to Internships

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Knowledge and skills designed to enhance college as a learning experience or preparation for life.*

This course is recommended for students who have never had an internship and are actively searching for one. Students participating in this course will engage in the full experience of searching for an internship. Course registration is closed to graduating seniors.

|      |   |                   |
|------|---|-------------------|
| 0101 | Caroline Lee                                    | Seats (Total: 30) |
|      | <b>Meets August 28, 2017 - October 13, 2017</b> |                   |
|      | Class time/details on ELMs                      | ONLINE            |

|      |  |                                 |
|------|--|---------------------------------|
| 0201 | Erin Rooney-Eckel<br><b>Meets August 28, 2017 - October 13, 2017</b><br>Class time/details on ELMs     | Seats (Total: 30)<br><br>ONLINE |
| 0301 | Erica Ely<br><b>Meets October 23, 2017 - December 8, 2017</b><br>Class time/details on ELMs            | Seats (Total: 30)<br><br>ONLINE |
| 0401 | Hawi Bekele Bengessa<br><b>Meets October 23, 2017 - December 8, 2017</b><br>Class time/details on ELMs | Seats (Total: 30)<br><br>ONLINE |
| 0501 | Maria Bowman<br><b>Meets October 23, 2017 - December 8, 2017</b><br>Class time/details on ELMs         | Seats (Total: 30)<br><br>ONLINE |

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**EDCP108M**
**College and Career Advancement: Concepts and Skills; Math Study Skills and Building Confidence**

Credits: 1                      Grading Method: Regular

*Knowledge and skills designed to enhance college as a learning experience or preparation for life.*

This course is recommended for freshmen and sophomore students enrolled in a math class who would like to increase their math confidence and learn how to study math efficiently. Other students may request enrollment with permission from the instructor. This hybrid course includes two in-person meetings (to be arranged) and weekly online assignments.

|      |   |                                 |
|------|---|---------------------------------|
| 0101 | Megan Bergandy<br><b>Meets September 5, 2017 - November 17, 2017</b><br>Contact instructor or department for details.<br>Class time/details on ELMs | Seats (Total: 35)<br><br>ONLINE |
|------|---|---------------------------------|

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**EDCP108N**
**College and Career Advancement: Concepts and Skills; Diversity Issues and Academic Strategies for Success**

Credits: 1                      Grading Method: Regular

*Knowledge and skills designed to enhance college as a learning experience or preparation for life.*

|      |  |                                |
|------|--|--------------------------------|
| 0101 | Solomon Comissioning, Ronald Zeigler<br>M 10:00am - 11:00am  | Seats (Total: 25)<br>NCC 0120  |
| 0201 | Christopher Lester<br>W 6:00pm - 7:50pm<br><br><i>This class will meet in the Non-print Media Services center, Room H.</i> | Seats (Total: 40)<br>HBK 0302H |

## EDCP220

### Introduction to Human Diversity in Social Institutions

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB, D      General Education: DVUP

*This highly-interactive format focuses on individual and social identities in the U.S., group differences and intergroup relations, systems of privilege and oppression, and advocacy for social justice. Topics will include diversity related to race, ethnicity, gender, sexual orientation, social class, (dis)ability, and religion. Course fulfills CORE requirements in diversity, social/behavioral bases, and interdisciplinary study. Some sections restricted.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Katherine Morales<br>MW 11:00am - 12:15pm | Seats (Total: 18)<br>EDU 3233 |
| 0201 | Ha Ahn<br>TuTh 2:00pm - 3:15pm            | Seats (Total: 18)<br>JMZ 2122 |

## EDCP298

### Special Problems in Counseling and Personnel Services

Credits: 1-3      Grading Method: Regular, Pass-Fail

*Individual instruction in special problems related to counseling, student leadership, and college student development.*

**Contact department for information to register for this course.**

## EDCP298Z

### Special Problems in Counseling and Personnel Services; British Life and Society in a Cross-Cultural Context

Credits: 3      Grading Method: Regular, Pass-Fail

*Individual instruction in special problems related to counseling, student leadership, and college student development.*

**Contact department for information to register for this course.**

## EDCP310

### Peer Counseling Theory and Skills



Credits: 3                      Grading Method: Regular

*Credit only granted for: PSYC433 or EDCP310.*

*The theories and skills of peer helping relationships. Counseling theories and skills at a level appropriate for students seeking basic level training for use in peer counseling settings.*

Closed to students who have taken, or are presently taking, PSYC 433.

|      |   |                               |
|------|---|-------------------------------|
| 0201 | Jill Briody<br>MW 1:00pm - 2:15pm       | Seats (Total: 18)<br>KEY 0119 |
| 0301 | Ana-Sophia Ross<br>TuTh 2:00pm - 3:15pm | Seats (Total: 18)<br>EDU 1121 |
| 0601 | Stephanie Yee<br>TuTh 1:00pm - 2:15pm   | Seats (Total: 18)<br>LEF 1222 |

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**EDCP386                      Experiential Learning**

(Perm req)

Credits: 3                      Grading Method: Regular

*Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department; and sophomore standing or higher.*

Special EDCP form required.

**Contact department for information to register for this course.**

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**EDCP489                      Field Experiences in Counseling and Personnel Services**

(Perm req)

Credits: 1-4                      Grading Method: Regular                      General Education: DVUP

*Planned field experience in education-related activities. Credit not to be granted for experiences accrued prior to registration.*

**Contact department for information to register for this course.**

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**EDCP498                      Special Problems in Counseling and Personnel Services**

(Perm req)

Credits: 1-3                      Grading Method: Regular

*Available only to major students who have formal plans for individual study of approved problems.*

**Contact department for information to register for this course.**

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**EDCP610                      Professional Orientation**

Credits: 3      Grading Method: Regular, Audit

*Survey of knowledge base and practices in counseling and personnel services specializations, professional ethics, credentialing relevant legislation, current issues.*

For Student Affairs students only.

|      |  |                   |
|------|--|-------------------|
| 0101 | Michelle Espino                                      | Seats (Total: 20) |
|      | Th 9:00am - 11:50am                                  | EDU 2101          |
|      | <i>Limited to Student Affairs graduate students.</i> |                   |
| 0201 | Natasha Mitchell                                     | Seats (Total: 20) |
|      | M 4:15pm - 7:00pm                                    | EDU 3236          |
|      | <i>Limited to School Counseling Students.</i>        |                   |

## EDCP615 Counseling I: Appraisal

Credits: 3      Grading Method: Regular,  
Audit

*Corequisite: EDCP618. Restriction: Must be in a major within EDUC-Counseling, Higher Education and Special Education department.*

*Collection and interpretation of appraisal data, synthesis of data through case study procedures.*  
*Development of interview skills.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Jessica McKechnie  | Seats (Total: 11) |
|      | Th 4:15pm - 7:00pm | ASY 3221          |

**EDCP616      Counseling II: Theory and Practice**

Credits: 3      Grading Method: Regular, Audit

*Corequisite: EDCP618.*

*Counseling theories and the practices which stem from such theories.*

For EDCP majors only.

|      |  |                   |
|------|--|-------------------|
| 0101 | Jessica McKechnie                                  | Seats (Total: 26) |
|      | Tu 4:15pm - 7:00pm                                 | EDU 1107          |
|      | <i>Limited to Students in the Masters Program.</i> |                   |

## Group Counseling

*Prerequisite: EDCP616.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Cixin Wang          | Seats (Total: 10) |
|      | Tu 9:30am - 12:15pm | ASY 3221          |

## Counseling Skills: Introduction to Practicum

*Development and utilization of counseling skills.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0201 | Matthew Miller     | Seats (Total: 10) |
|      | Tu 1:00pm - 4:00pm | LEF 0135          |
| 0301 | Matthew Miller     | Seats (Total: 10) |
|      | Tu 1:00pm - 4:00pm | JMP 1109          |

## Practicum in Counseling

*Sequence of supervised counseling experiences of increasing complexity. Limited to eight applicants in advance. Two hours class plus laboratory.*

|      |   |                  |
|------|---|------------------|
| 0101 | Sharon Kirkland-Gordon                        | Seats (Total: 4) |
|      | Th 1:00pm - 3:00pm                            | SHM 1106         |
|      | Contact instructor or department for details. |                  |

## Cognitive Assessment

*Restriction: Must be in the School Psychology program; or permission of EDUC-Counseling, Higher Education and Special Education department.*

*Assessment of cognitive functioning of children and adolescents in reference to school learning and behavior problems. Administering, scoring and interpreting cognitive assessment instruments commonly used in school systems.*

Class meets in 1102M Seneca Building.

*Click here for Google Map Directions. Click here for UMD Map for Seneca Directions.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Jill Jacobson      | Seats (Total: 10) |
|      | W 9:00am - 11:45am | Location: TBA     |

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#### **EDCP640 School Psychology Seminar: Overview of the Specialty**

Credits: 1-2      Grading Method: Regular,  
Audit

*Restriction: Must be in the School Psychology program; or permission of instructor.*

*Overviews the specialty of school psychology, including history of the specialty, roles and functions of school psychologists, and current professional issues related to the specialty.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Colleen O'Neal    | Seats (Total: 10) |
|      | M 1:00pm - 2:45pm | EDU 3236          |

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#### **EDCP641 School Psychology Seminar: Professional Ethics**

Credits: 1-2      Grading Method: Regular,  
Audit

*Restriction: Must be in the School Psychology program; or permission of instructor.*

*Overviews ethical issues in the specialty of school psychology.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Colleen O'Neal    | Seats (Total: 10) |
|      | M 2:45pm - 4:00pm | EDU 3236          |

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#### **EDCP652 Research in Counseling**

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in the School Counseling program. Credit only granted for: EDCP652 or EDCP789Y. Formerly: EDCP789Y.*

*An exploration of basic and applied research, program evaluation, and associated measurement and evaluation skills crucial for professional school counselors.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Paul Gold         | Seats (Total: 15) |
|      | W 4:15pm - 7:00pm | EDU 3236          |

### EDCP671 Intergroup Dialogue Facilitation Practicum

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: EDCP616, EDCP618, and EDCP771; or permission of instructor. Restriction: Limited to college student personnel students only. Credit only granted for: EDCP498L or EDCP671. Formerly: EDCP498L.*

*Developing knowledge and skills for facilitating intergroup dialogues. Using the principles and content of intergroup dialogues to create scenarios for the practice of listening, understanding, and taking action under theories of social justice.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Alison Mojto       | Seats (Total: 10) |
|      | Tu 4:15pm - 7:00pm | TWS 1321          |

### EDCP682 Counseling Psychology Didactic Practicum in Group Interventions

Credits: 3      Grading Method: Sat-Fail

*Prerequisite: For Counseling Psychology majors only. Also offered as: PSYC682. Formerly: EDCP718.*

*In depth examination of theories and techniques of group interventions; supervised experience in group counseling.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Pepper Phillips    | Seats (Total: 10) |
|      | Tu 1:00pm - 4:00pm | SHM 1106A         |

### EDCP685 Counseling Psychology Didactic Practicum in Counseling Supervision

Credits: 3      Grading Method: Sat-Fail

*Prerequisite: For Counseling Psychology majors only. Also offered as: PSYC685. Formerly: EDCP745.*

*In depth examinatin of theories and techniques of counseling supervision, supervised experience in the process of supervising counselors.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Robert Lent         | Seats (Total: 10) |
|      | W 10:00am - 12:45pm | Location: TBA     |

**EDCP697      Multicultural Issues in Counseling Psychology**

Credits: 3                      Grading Method: Regular

*Prerequisite: Only open to Counseling Psychology majors. Also offered as: PSYC697. Credit only granted for: EDCP697, EDCP699, or PSYC697. Formerly: EDCP699.*

*Exploration of knowledge, attitudes and skills for providing counseling and psychological services to culturally diverse populations.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Richard Shin       | Seats (Total: 10) |
|      | Tu 4:00pm - 6:45pm | EDU 2101          |

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**EDCP738      Practicum in Child Assessment**

Credits: 3                      Grading Method: Regular,  
Audit

*Administration of complete test batteries to children; supervision of initial interviews; test administration and scoring; interpretation and synthesis of test battery and interview material; the psychological report; verbal interpretation of test results; and recommendations. Taken initially with EDCP 633; repeated with EDCP 634 in the subsequent semester.*

Class meets in 1102M Seneca Building.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Jill Jacobson       | Seats (Total: 10) |
|      | Th 9:00am - 12:15pm | Location: TBA     |

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**EDCP741      Multicultural Practice in Student Affairs: Self, Education, and Society**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: EDCP771. Credit only granted for: EDCP741 or EDCP789Z. Formerly: EDCP789Z.*

*Develop knowledge and skills in the area of multicultural practice in student affairs through the examination of oppression, power, and privilege and how these dynamics impact individuals, educational institutions, and societies.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Candace Moore     | Seats (Total: 12) |
|      | W 1:00pm - 4:00pm | EDU 3236          |

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**EDCP746      Clinical Supervision of Pupil Personnel Services**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: Advanced Doctoral Students Only. Restriction: Permission of instructor.*

*Supervision of role of psychologists and counselors in school settings; applied skills in supervision of services.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Cixin Wang          | Seats (Total: 10) |
|      | W 10:00am - 12:45pm | ASY 3207          |

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**EDCP772      Research in Student Affairs**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: EDCP656; or permission of instructor. Restriction: Must be in the College Student Personnel program.*

*Research designs and approaches to research in student development and higher education. Development of research for research competency or dissertation proposal.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Kimberly Griffin    | Seats (Total: 10) |
|      | Tu 9:00am - 11:45am | ATL 1106          |

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**EDCP774      Advanced Seminar in Theories of College Student Development**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: EDCP771; or students who have taken courses with comparable content may contact the department.*

*An opportunity for in-depth study, dialogue, and reflection about theoretical frameworks for understanding the development of college students. Specific attention is given to enhancing knowledge and understanding of the development of students when social identities and their intersections are considered.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Melissa Rocco      | Seats (Total: 20) |
|      | Tu 1:00pm - 4:00pm | EDU 2101          |

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**EDCP789      Advanced Topics in Counseling and Personnel Services**

Credits: 1-6                      Grading Method: Regular,  
   Audit

|      |   |                  |
|------|---|------------------|
| 0201 | Matthew Miller                                | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0901 | Natasha Chapman                               | Seats (Total: 6) |
|      | Contact instructor or department for details. |                  |

|      |   |                  |
|------|---|------------------|
| 1201 | Kristan Skendall                              | Seats (Total: 6) |
|      | Contact instructor or department for details. |                  |
| 4801 | Craig Slack                                   | Seats (Total: 6) |
|      | Contact instructor or department for details. |                  |
| 5101 | Candace Moore                                 | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 6701 | Daniel Ostick                                 | Seats (Total: 6) |
|      | Contact instructor or department for details. |                  |
| 6801 | Adrienne Wicker                               | Seats (Total: 6) |
|      | Contact instructor or department for details. |                  |
| 7701 | Wallace Eddy                                  | Seats (Total: 6) |
|      | Contact instructor or department for details. |                  |

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**EDCP789Q**
**Advanced Topics in Counseling and Personnel Services; Developmental Psychopathology**

Credits: 3      Grading Method: Regular,  
Audit

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Hedwig Teglas      | Seats (Total: 10) |
|      | W 9:30am - 12:15pm | EDU 2101          |

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**EDCP789R**
**Advanced Topics in Counseling and Personnel Services; College Teaching Seminar**

(Perm req)

Credits: 1-6      Grading Method: Regular,  
Audit

|      |   |                  |
|------|---|------------------|
| 0101 | Michelle Espino                               | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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**EDCP789X**
**Advanced Topics in Counseling and Personnel Services; Lifespan Development**

Credits: 3      Grading Method: Regular,  
Audit

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Paul Gold          | Seats (Total: 20) |
|      | Th 4:15pm - 7:00pm | EDU 3233          |

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**EDCP789Z**
**Advanced Topics in Counseling and Personnel Services**



Credits: 1-6      Grading Method: Regular,  
Audit

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Colleen O'Neal     | Seats (Total: 10) |
|      | M 9:00am - 12:00pm | EDU 2101          |

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**EDCP798      Special Problems in Counseling and Personnel Services**

(Perm req)

Credits: 1-6      Grading Method: Regular,  
Audit

*Master's AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisers may register for credit under this number.*

**Contact department for information to register for this course.**

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**EDCP798A      Special Problems in Counseling and Personnel Services; Research Design and Proposal Writing Seminar**

Credits: 3      Grading Method: Regular,  
Audit

*Master's AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisers may register for credit under this number.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Michelle Espino    | Seats (Total: 15) |
|      | W 9:00am - 11:45am | EDU 3236          |

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**EDCP799      Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

*Registration required to the extent of six hours for Master's thesis.*

**Contact department for information to register for this course.**

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**EDCP799A      Master's Thesis Research; Research Design and Proposal Writing Seminar**

Credits: 1-6      Grading Method: Regular, Sat-  
Fail

*Registration required to the extent of six hours for Master's thesis.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Michelle Espino    | Seats (Total: 10) |
|      | W 9:00am - 11:45am | EDU 3236          |

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**EDCP870      Professional Issues Seminar**

Credits: 3      Grading Method: Regular, Audit

*Credit only granted for: EDCP656 or EDCP870. Formerly: EDCP656.*

*Examination of issues that bear on professional issues such as ethics, inter-professional relationships and research.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Marvin Titus                                | Seats (Total: 20) |
|      | M 4:15pm - 7:00pm                           | EDU 0220          |
|      | <i>Only open to HESI Doctoral students.</i> |                   |

## EDCP871 Student Affairs Doctoral Capstone Seminar

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: EDCP870; or permission of instructor. Restriction: Must be in the College Student Personnel program. Credit only granted for: EDCP789I or EDCP871. Formerly: EDCP789I.*

*Broadening perspectives on issues in student affairs and higher education by exploring the multiple roles and responsibilities of campus administrators and faculty members.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Mary Hummel       | Seats (Total: 10) |
|      | W 2:00pm - 5:00pm | MIT 2113          |

**EDCP888      Apprenticeship in Counseling and Personnel Services**

(Perm req)

Credits: 1-8      Grading Method: Regular, Audit

*Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.*

**Contact department for information to register for this course.**

**EDCP888A      Apprenticeship in Counseling and Personnel Services; College Student Personnel**

Credits: 3      Grading Method: Regular,  
Audit

*Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.*

|      |   |                   |
|------|---|-------------------|
| 0101 | John Zacker                                   | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

|      |   |                   |
|------|---|-------------------|
| 0401 | John Zacker                                   | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |
| 5101 | Candace Moore                                 | Seats (Total: 5)  |
|      | Contact instructor or department for details. |                   |

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### **EDCP888C      Apprenticeship in Counseling and Personnel Services; School Psychology**

Credits: 1-8                      Grading Method: Regular

*Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Hedwig Teglassi                               | Seats (Total: 15) |
|      | W 1:30pm - 3:45pm                             | Location: TBA     |
| 0201 | Hedwig Teglassi                               | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |

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### **EDCP888G      Apprenticeship in Counseling and Personnel Services; School Counseling**

Credits: 1-8                      Grading Method: Regular,  
Audit

*Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Jessica McKechnie | Seats (Total: 15) |
|      | M 7:00pm - 9:45pm | EDU 2102          |

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### **EDCP889      Internship in Counseling and Personnel Services; Internship in Counseling and Personnel Services**

Credits: 1-8                      Grading Method: Regular,  
Audit

*Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.*

**Contact department for information to register for this course.**

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### **EDCP889I      Internship in Counseling and Personnel Services; School Psychology**

Credits: 3                      Grading Method: Regular,  
Audit

*Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Jill Jacobson     | Seats (Total: 10) |
|      | M 5:00pm - 7:30pm | Location: TBA     |

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**EDCP898                      Pre-Candidacy Research**

Credits: 1-8                      Grading Method: Regular

**Contact department for information to register for this course.**

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**EDCP899                      Doctoral Dissertation Research**

(Perm req)                      Credits: 6                      Grading Method: Regular

*Registration required to the extent of 12-18 hours for a Ph.D. Dissertation.*

**Contact department for information to register for this course.**

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**EDHD                      Education, Human Development                      Fall 2017**

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**EDHD210                      Foundations of Early Childhood Education**

Credits: 3                      Grading Method: Regular                      CORE: HO                      General Education: DSHS

*Students explore historical and current research in early childhood education, primary models of curriculum and pedagogy in the field, and the relationship between critical aspects of young children's development and the creation of inclusive learning opportunities for all children, including children at risk. The concept of developmentally appropriate practice and its application across different developmental levels and early childhood classrooms will be introduced and connected with discussion in EDHD220 and EDSP211. Students examine issues in developing and implementing high quality early childhood education experiences for young children with and without disabilities, including the influence of family, culture, and community, the needs of children at risk (e.g., poverty, immigrant status, English Language Learners), and the role of assessment in early learning.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Elisa Klein        | Seats (Total: 25) |
|      | Th 1:00pm - 3:45pm | JMZ 0120          |

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**EDHD220                      Exploring Early Childhood General and Special Education**

(Perm req)                      Credits: 3                      Grading Method: Regular                      General Education: DSSP

*Students who are considering a career in education will consider information about the teaching profession. Students reflect on their personal strengths, identify areas of growth, and examine their predisposition to work with young children with and without disabilities. They will discuss the nature of teaching, the moral and philosophic underpinnings that influenced their decision to enter into the teaching professions, as well as the roles and responsibilities of teachers and the characteristics and qualities for effective teachers (teaching styles and teacher's primary role in the classroom).*

Intended primarily for students planning to apply to the Early Childhood Education Program. Allow an appropriate amount of time to travel from your on-campus class meetings to your off-campus experience.

|      |   |  |
|------|---|--|
| 0101 | Mary Kitchen<br>Tu 2:00pm - 4:00pm<br>M 8:00am - 12:00pm  | Seats (Total: 6)<br>EDU 2102<br>Location: TBA      Lab |
| 0102 | Mary Kitchen<br>Tu 2:00pm - 4:00pm<br>Tu 8:00am - 12:00pm | Seats (Total: 7)<br>EDU 2102<br>Location: TBA      Lab |
| 0103 | Mary Kitchen<br>Tu 2:00pm - 4:00pm<br>Th 8:00am - 12:00pm | Seats (Total: 7)<br>EDU 2102<br>Location: TBA      Lab |
| 0104 | Mary Kitchen<br>Tu 2:00pm - 4:00pm<br>F 8:00am - 12:00pm  | Seats (Total: 5)<br>EDU 2102<br>Location: TBA      Lab |

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## **EDHD230      Human Development and Societal Institutions**

Credits: 3      Grading Method: Regular, Audit      CORE: SB, D      General Education: DSHS, DVUP

*Development of the individual in the context of relationships with the formal and informal institutions of society. An examination of various aspects of development from the broad perspective of the social sciences.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Jennie Lee-Kim<br>TuTh 12:30pm - 1:45pm | Seats (Total: 40)<br>EDU 2121 |
|------|---|-------------------------------|

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## **EDHD231      Inside 21st Century Creativity: How Creative Ideas, Concepts, and Products are Generated**

Credits: 3      Grading Method: Regular      General Education: DSHS, SCIS

*Mechanisms of the creative mind. Psychological, social, sociological, developmental, cultural, educational, genetic and neural based roots of creativity.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Kevin Dunbar          | Seats (Total: 60) |
|      | TuTh 9:30am - 10:45am | TWS 1310          |
| 0201 | Kevin Dunbar          | Seats (Total: 60) |
|      | TuTh 2:00pm - 3:15pm  | BPS 1243          |

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**EDHD306****Research Methods in Human Development**

Credits: 3

Grading Method: Regular

General Education: FSAR

*Addresses the scientific concepts and principles central to the study of human behavior and development. Students will learn about basic research methods in studying human behavior in developmental context and will participate in experiential activities, such as conducting observations and collecting self-report data. Major themes: goals of developmental research, fundamental research designs, types of measurement, elements of good scientific writing, and ethical issues in the study of human development.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Hongyang Zhao         | Seats (Total: 40) |
|      | TuTh 9:30am - 10:45am | EDU 1121          |

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**EDHD314****Reading in the Early Childhood Classroom**

Credits: 3

Grading Method: Regular

*Prerequisite: EDHD210, EDHD220, and EDSP211. Corequisite: EDHD425; and corequisite: EDHD419 or EDSP420. Restriction: Must be enrolled in Professional Early Childhood/Early Childhood Special Education Program; and minimum cumulative GPA of 2.75.*

*Early childhood students introduced to current research/methods on teaching language arts. Focus on development of linguistic and cognitive processes in emergent literacy and beginning reading and writing. Application to models for the instruction and assessment of reading/writing in preschool-aged children. Also includes material on classroom-based interventions for young children at risk of reading failure due to learning difficulties. Includes Field Experiences.*

Restricted to major code 0822P.

|      |   |                   |
|------|---|-------------------|
| 0101 | Donald Bolger                                 | Seats (Total: 35) |
|      | Th 1:00pm - 3:00pm                            | EDU 3315          |
|      | Contact instructor or department for details. |                   |

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**EDHD319****Selected Topics in Human Development**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected topics in human development in relation to contemporary culture.*

**Contact department for information to register for this course.**

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**EDHD320                      Human Development Through the Life Span**

Credits: 3                      Grading Method: Regular,                      General Education: DSHS  
Audit

*Central concepts related to parameters of human development, individual and social, which arise throughout the life span. Continuity and change within the developing individual.*

|  |                            |                   |
|--|----------------------------|-------------------|
| 0101   | Olga Walker                | Seats (Total: 40) |
|  | Class time/details on ELMs | ONLINE            |
| <i>Restriction: Students in Human Development Minor with Program Code #ED05.</i> |                            |                   |
| 0501   | Susan Klauda               | Seats (Total: 40) |
|  | Tu 4:15pm - 7:00pm         | EDU 3315          |
| <i>Restricted to pre-nursing students.</i>                                       |                            |                   |

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**EDHD322                      The Young Child as Mathematician**

(Perm req)                      Credits: 3                      Grading Method: Regular

*Prerequisite: EDSP423, EDHD431, and EDSP315; and track 1: Must have completed EDSP 430, EDSP 433; OR Track 2: Must have completed EDHD415, EDHD 424. Corequisite: EDHD323, EDSP321, EDSP417, EDHD441, EDHD442, EDHD443, and EDHD444. Restriction: Must be in the Professional Early Childhood/Early Childhood Special Education program; and senior standing or higher; and minimum cumulative GPA of 2.75.*

*Provides a theoretical and instructional framework for mathematics instruction in early childhood classrooms. Development of understanding of early childhood mathematics that emphasizes how and in what environment young children learn mathematics. Current thinking about both content and instructional strategies for mathematics curriculum, including identification and review of standards and expectations for learning outcomes for all children. Assessment strategies for evaluating all children will be addressed. Includes Phase 1 Field Experience.*

Restricted to major code 0822P.

|   |                   |                   |
|---|-------------------|-------------------|
| 0101  | Geetha Ramani     | Seats (Total: 37) |
|   | W 2:00pm - 4:00pm | EDU 2121          |
| Contact instructor or department for details. |                   |                   |

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**EDHD323****Children Study their World**

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: EDSP423, EDHD431, and EDSP315; and track 1: Must have completed EDSP430, EDSP433; or Track 2: Must have completed EDHD415, EDHD424. Corequisite: EDHD322, EDSP417, EDHD441, EDHD443, EDHD442, EDHD444, and EDSP321. Restriction: Must be in the Professional Early Childhood/Early Childhood Special Education program; and senior standing or higher; and minimum cumulative GPA of 2.75.*

*Provides theoretical and instructional framework for social studies instruction in inclusive early childhood classrooms. Course will reflect current thinking about content and instructional strategies for social studies curriculum; identification and review of standards/expectations for learning outcomes for all children; assessment strategies for evaluating of social studies objectives; use of data driven instruction to support all children; observation of children's understanding of their social world in field placements; opportunities to explore these understandings through interviews with children and the implementation of activities. Includes Phase 1 Field Experience.*

Restricted to major code 0822P.

|      |   |                   |
|------|---|-------------------|
| 0101 | Francine Marchese                             | Seats (Total: 37) |
|      | W 11:00am - 1:00pm                            | EDU 2121          |
|      | Contact instructor or department for details. |                   |

**EDHD386****Experiential Learning**

(Perm req)

Credits: 3-6

Grading Method: Regular,  
Pass-Fail

*Restriction: Permission of EDUC-Human Development and Quantitative Methodology department; and junior standing or higher.*

**Contact department for information to register for this course.**

**EDHD402****Social Development**

Credits: 3

Grading Method: Regular

*Recommended: EDHD411.*

*Social Development. Critical concepts and ideas of the study of child and adolescent social development. Focus on changes in interpersonal relationships, emotions, achievement-related behavior and competence, and functioning within the broader social context.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Jennie Lee-Kim    | Seats (Total: 40) |
|      | M 1:00pm - 3:45pm | EDU 2119          |

**EDHD411****Child Growth and Development**



Credits: 3                      Grading Method: Regular,  
Audit

General Education: DSHS

*Theoretical approaches to and empirical studies of physical, psychological and social development from conception to puberty. Implications for home, school and community.*

|  |                            |                   |
|--|----------------------------|-------------------|
| 0101   | Jennie Lee-Kim             | Seats (Total: 40) |
|  | M 11:00am - 12:15pm        | EDU 3315          |
|  | Class time/details on ELMs | ONLINE            |
| <i>Section 0101 should be restricted to 0808L, 0808P, 0802L, or 0802P.</i> |                            |                   |

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### EDHD413                      Adolescent Development

Credits: 3                      Grading Method: Regular

General Education: DSHS

*Adolescent development, including special problems encountered in contemporary culture.  
Observational component and individual case study.*

|   |                        |                   |
|---|------------------------|-------------------|
| 0101  | Jennie Lee-Kim         | Seats (Total: 40) |
|   | TuTh 11:00am - 12:15pm | EDU 1107          |
| <i>Restriction: Students in Human Development Minor with Program Code #ED05.</i>                                      |                        |                   |
| 0201  | Ann Battle             | Seats (Total: 40) |
|   | Tu 9:30am - 12:15pm    | EDU 2119          |
| <i>Section 0201 is restricted to major codes 0831L, 0831P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0804L, 0804P</i> |                        |                   |

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### EDHD420                      Cognitive Development and Learning

Credits: 3                      Grading Method: Regular

*Prerequisite: EDHD320, EDHD411, PSYC341, or PSYC355; or permission of EDUC-Human Development and Quantitative Methodology department.*

*Current developmental theories of cognitive processes such as language, memory, and intelligence and how differences in cognitive level (infancy through adolescence) mediate learning of educational subject matters.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Richard Prather      | Seats (Total: 40) |
|      | MW 11:00am - 12:15pm | EDU 2119          |

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### EDHD425                      Language Development and Reading Acquisition

Credits: 3                      Grading Method: Regular,  
Audit

*This course focuses on young children's language development and the relationship between language and reading acquisition. Students will learn: concepts central to language development; language achievements at different ages; concepts of emergent literacy; models of reading acquisition and skilled reading.*

|   |                    |                   |
|---|--------------------|-------------------|
| 0101  | Min Wang           | Seats (Total: 35) |
|   | Tu 1:00pm - 3:45pm | EDU 1107          |
| <i>Restricted to Early Childhood education majors, major code 0822P only.</i> |                    |                   |
| 0201  | Min Wang           | Seats (Total: 40) |
|   | W 12:30pm - 3:15pm | EDU 2119          |

## EDHD426

### Cognition and Motivation in Reading: Reading in Content Areas I

Credits: 3      Grading Method: Regular

*Students preparing for secondary teaching will learn the cognitive and motivational aspects of reading and learning from text in subjects of literature, science, history and mathematics. Different structured approaches to using text for content learning are presented. Classroom contexts that enable students to engage productively with diverse texts and internet resources are identified.*

Restriction: Must be a Secondary Education major.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Daphne Williams   | Seats (Total: 40) |
|      | W 5:30pm - 8:15pm | EDU 3315          |

## EDHD430

### Adolescent Violence

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC100; or permission of EDUC-Human Development and Quantitative Methodology department.*

*Examines the roots of violence among adolescents and the extent to which this constitutes a problem in various settings. Research studies on its origins, prevention and intervention and implications for social policy are examined.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Alice Donlan         | Seats (Total: 40) |
|      | TuTh 2:00pm - 3:15pm | EDU 2119          |

## EDHD441

### Data Driven Decision Making in EC/ECSE

Credits: 1      Grading Method: Regular

*Prerequisite: Minimum grade of C- in EDSP423, EDHD431, and EDSP315; and TRACK I: Must have completed EDSP430 and EDSP433 or TRACK 2: Must have completed EDHD415 and EDHD424.*  
*Corequisite: EDHD322, EDHD323, EDSP321, EDSP417, EDHD442, EDHD443, and EDHD444.*

*Students will be exposed to formative (e.g., classroom based, ongoing) and summative (e.g., standardized testing) assessments. Students will collect and analyze formative assessment data from their internship classrooms as the bases of planning and delivering instruction to meet the diverse needs of all learners. They will also analyze standardized assessment data to gain an understanding of measures used to determine cross-school and cross-teacher effectiveness. Includes Phase I field experience.*

Restricted to major code 0822P.

|      |  |                   |
|------|--|-------------------|
| 0101 | Christy Tirrell-Corbin                           | Seats (Total: 37) |
|      | <b>Meets October 16, 2017 - November 6, 2017</b> |                   |
|      | M 10:00am - 12:00pm                              | EDU 1121          |
|      | Contact instructor or department for details.    |                   |

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#### EDHD442

#### Interventions for Children with Behavioral Challenges

Credits: 1      Grading Method: Regular

*Prerequisite: Minimum grade of C- in EDSP423, EDHD431, and EDSP315; and TRACK I: Must have completed EDSP430 and EDSP 433; or TRACK 2: Must have completed EDHD415 and EDHD 424.*  
*Corequisite: EDSP321, EDSP417, EDHD322, EDHD323, EDHD441, EDHD443, and EDHD444.*

*Students will expand knowledge of and develop skills to address challenging behaviors in inclusive early childhood classrooms. Students examine the causes underlying challenging behaviors during the early childhood years, and identify appropriate resources and support services for working with families to develop a unified approach when responding to behavioral challenges. Includes Phase I field experience.*

Restricted to major code 0822P.

|      |  |                   |
|------|--|-------------------|
| 0101 | Christy Tirrell-Corbin                         | Seats (Total: 37) |
|      | <b>Meets August 28, 2017 - October 2, 2017</b> |                   |
|      | M 10:00am - 12:00pm                            | EDU 1121          |
|      | Contact instructor or department for details.  |                   |

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#### EDHD443

#### Interventions for Children with Social and Communication Challenges

Credits: 1      Grading Method: Regular

*Prerequisite: Minimum grade of C- in EDSP423, EDHD431, and EDSP315; and TRACK I: Must have completed EDSP430 and EDSP 433; or TRACK 2: Must have completed EDHD415 and EDHD 424.*  
*Corequisite: EDHD322, EDSP321, EDSP417, EDHD323, EDHD441, EDHD442, and EDHD444.*

*Students will learn about the characteristics of children with autism spectrum disorder, pervasive developmental disorder, social communication disorder, and other related challenges and will be equipped to meet the needs of this group of children in the early childhood classroom. The utilization of Universal Design for Learning (UDL), Response to Intervention (RTI) and other early childhood special education approaches, as they apply to this specific group of children, will be addressed. Interventions designed to improve the functioning of children with autism spectrum disorders and related disorders will be reviewed. Includes Phase I field experience.*

Restricted to major code 0822P.

|      |  |                   |
|------|--|-------------------|
| 0101 | Jamell White                                       | Seats (Total: 37) |
|      | <b>Meets November 13, 2017 - December 11, 2017</b> |                   |
|      | M 10:00am - 12:00pm                                | EDU 1121          |
|      | Contact instructor or department for details.      |                   |

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#### **EDHD444      Action Research in EC/ECSE**

Credits: 1                      Grading Method: Regular

*Prerequisite: Minimum grade of C- in EDSP423, EDHD431, and EDSP315; and track 1: Must have completed EDSP430 and EDSP433; OR Track 2: Must have completed EDHD415 and EDHD424. Corequisite: EDHD322, EDHD323, EDHD441, EDHD442, EDHD443, EDSP417, and EDSP321.*

*Students will become familiar with the EC/ECSE research process, literature and how teachers use action research to improve pedagogy and the experiences of children in classrooms or home-based contexts. Students will utilize this knowledge, as well as either a goal in an Individualized Education Plan (IEP) or Individualized Family Service Plan (IFSP) or School Improvement Plan (SIP), to develop an action research study commenced during the following semester. Includes Phase I field experience.*

Restricted to major code 0822P. Class meets 9/18/17, 10/16/17, 11/6/17, 11/20/17, and 12/11/17.

|      |   |                   |
|------|---|-------------------|
| 0101 | Judith Anderson                                   | Seats (Total: 37) |
|      | <b>Meets September 9, 2017 - December 2, 2017</b> |                   |
|      | M 4:15pm - 6:15pm                                 | SQH 1103          |
|      | Contact instructor or department for details.     |                   |

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#### **EDHD460      Educational Psychology**

Credits: 3                      Grading Method: Regular,                      General Education: DSHS  
    Audit

*Prerequisite: PSYC100; or permission of EDUC-Human Development and Quantitative Methodology department.*

*Application of psychology to learning processes and theories. Individual differences, measurement, motivation, emotions, intelligence, attitudes, problem solving, thinking and communicating in educational settings.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Yuting Sun           | Seats (Total: 40) |
|      | MW 11:00am - 12:15pm | ASY 3203          |

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**EDHD489      Field Experiences in Education**

(Perm req)

Credits: 1-4      Grading Method: Regular,  
Pass-Fail, Audit

*Planned field experience in education-related activities. Credit not to be granted for experiences accrued prior to registration.*

**Contact department for information to register for this course.**

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**EDHD498      Special Problems in Education**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Available only to students who have definite plans for individual study of approved problems.*

**Contact department for information to register for this course.**

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**EDHD498C      Special Problems in Education; Intervening in the Lives of Socially Anxious Children**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Available only to students who have definite plans for individual study of approved problems.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Kenneth Rubin                                 | Seats (Total: 25) |
|      | Contact instructor or department for details. |                   |

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**EDHD600      Introduction to Human Development and Child Study**

Credits: 3      Grading Method: Regular

*An overview of the multidisciplinary, scientific principles which describe human development and behavior and an application of these principles in an analysis of a behavioral record. Techniques of observation, recording, and analysis of human behavior. Emphasis on critiquing and applying research findings.*

**Contact department for information to register for this course.**

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**EDHD617      Achievement Motivation in Adolescence**

Credits: 3      Grading Method: Regular, Audit

*Credit only granted for: EDHD779W or EDHD617. Formerly: EDHD779W.*

*Study of different aspects of motivation and how they develop in the secondary school years. Focus on how different instructional practices influence motivation and design of various strategies for improving students motivation.*

**Contact department for information to register for this course.**

**EDHD629 Seminar for the Center for Children, Relationships, and Culture**

Credits: 1      Grading Method: Regular, Audit

*A seminar and colloquia series featuring speakers from the department, the college, the university, and other universities and institutions from across the world that aims to cover issues pertaining to contemporary theory and research in human development.*

|      |  |                   |
|------|--|-------------------|
| 0101 | Lucas Butler                                     | Seats (Total: 20) |
|      | <b>Meets August 28, 2017 - December 11, 2017</b> |                   |
|      | W 11:15am - 1:45pm                               | EDU 1107          |

## EDHD662 Research Methods in Education Settings

Credits: 3      Grading Method: Regular, Audit

*Research methods associated with studying the development, achievement, and school adjustment of children and adolescents in educational settings, with an emphasis on quantitative methodologies.*

**Contact department for information to register for this course.**

## EDHD690 History and Systems in Human Development

Credits: 3      Grading Method: Regular

*History of the field of human development; philosophical basis of major theoretical paradigms and contemporary research drawn from foundational traditions.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Melanie Killen     | Seats (Total: 20) |
|      | Th 1:00pm - 3:45pm | EDU 1108          |

## EDHD692 Cognitive Basis of Instruction

Credits: 3      Grading Method: Regular, Audit

*Restriction: Permission of EDUC-Human Development and Quantitative Methodology department.*

*Psychological and educational research literature on human cognition, especially as applied to learning and teaching in classroom settings.*

**Contact department for information to register for this course.**

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**EDHD718      Apprenticeship in College Teaching; Apprenticeship in College Teaching**

(Perm req)

Credits: 1                      Grading Method: Regular

*For graduate students teaching autonomously for the first, second, or third time at the University of Maryland, College Park; not intended for teaching assistants. This course provides graduate student teachers with a set of structured experiences that foster professional growth and development in the role of college instructor. Includes seminars on the scholarship of college teaching and principles of optimal college classroom environments, peer and faculty in-class observations of teaching, and guided reflective analysis of experience in the classroom.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Ann Battle        | Seats (Total: 10) |
|      | F 1:00pm - 3:30pm | EDU 3233          |

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**EDHD720      Social Development and Socialization Processes**

Credits: 3                      Grading Method: Regular,  
Audit

*This course covers social development and socialization processes across the life-span. The course typically covers the following topics: parent-child relationships, peer relationships, moral development, social cognition, social competence, social motivation, self-regulation, and cultural influences on development. This is core doctoral course.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Kenneth Rubin      | Seats (Total: 20) |
|      | Tu 1:00pm - 3:45pm | EDU 3236          |

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**EDHD721      Cognitive Development and Learning: An Introduction**

Credits: 3                      Grading Method: Regular,  
Audit

*Introductory survey into contemporary theory and research in cognitive development; applications to classroom learning.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Richard Prather    | Seats (Total: 20) |
|      | Th 4:15pm - 7:00pm | EDU 3236          |

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**EDHD789      Internship in Human Development**

(Perm req)

Credits: 3-8

Grading Method: Regular,  
Audit

*Internship experience in one or more human service agencies in the community.*

**Contact department for information to register for this course.**

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**EDHD798**

**Laboratory in Human Development**

(Perm req)

Credits: 1-6

Grading Method: Regular,  
Audit

*Independent research supervised by an instructor in a research setting.*

Limited to human development majors.

**Contact department for information to register for this course.**

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**EDHD799**

**Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular

*Registration required to the extent of six hours for master's thesis.*

Limited to human development majors.

**Contact department for information to register for this course.**

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**EDHD820**

**Advanced Topics in Social Development**

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: EDHD720; or permission of EDUC-Human Development and Quantitative Methodology department. Credit only granted for: EDHD820 or EDHD821. Formerly: EDHD821.*

*Advanced doctoral seminar on socialization and social development with consideration of selected topics. Identification of research problems and areas of application.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Melanie Killen     | Seats (Total: 20) |
|      | Tu 1:00pm - 3:45pm | EDU 1108          |

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**EDHD888**

**Apprenticeship in Human Development Research**

(Perm req)

Credits: 1-8

Grading Method: Regular,  
Audit

*Apprenticeship in Human Development research.*

**Contact department for information to register for this course.**

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**EDHD889****Practicum in Human Development**

(Perm req)

Credits: 3-8

Grading Method: Regular,  
Audit

*Field experience in applied human development at a professional level o competence in a particular role with appropriate supervision.*

**Contact department for information to register for this course.**

**EDHD898****Pre-Candidacy Research**

(Perm req)

Credits: 1-8

Grading Method: Regular

**Contact department for information to register for this course.**

**EDHD899****Doctoral Dissertation Research**

(Perm req)

Credits: 6

Grading Method: Regular

*Registration required to 12-18 hours for a Ph.D. dissertation.*

Limited to human development majors.

**Contact department for information to register for this course.**

**EDHI****Education Leadership, Higher Ed  
and International Ed****Fall 2017****EDHI338B****Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Race,  
Socioeconomic Status, and Size & Appearance**

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DVCC

*Engages students, from one or more cultural identity groups, in facilitated dialogue about the similarities and differences of experience that exist within a group and/or between and across groups. The goal of intergroup dialogue is for students to develop comfort with, and skill for, discourse on difficult topics toward the end of fostering positive, meaningful, and sustained cross-group relationships. Whereas in debate, students learn to listen to gain advantage, in intergroup dialogue, students learn to listen to gain understanding. In so doing, students develop increased multicultural interaction facility, heightened intergroup awareness and sensitivity, and greater commitment to civic engagement.*

|      |  |                   |
|------|--|-------------------|
| 0101 | Jacqueline Pearce Garrett, Kevin Webb,<br>Roger Worthington, Michelle Strange,<br>Jeremy Gombin-Sperling, Benjamin Parks,<br>Peter DeCrescenzo, Tiffany Harris<br><b>Meets August 30, 2017 - October 11,<br/>2017</b><br>W 6:30pm - 8:30pm | Seats (Total: 42) |
|      |  | MMH 2411          |

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**EDHI338E Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Gender, Sexuality, and Size & Appearance**

Credits: 1                      Grading Method: Regular,                      General Education: DVCC  
Pass-Fail, Audit

*Engages students, from one or more cultural identity groups, in facilitated dialogue about the similarities and differences of experience that exist within a group and/or between and across groups. The goal of intergroup dialogue is for students to develop comfort with, and skill for, discourse on difficult topics toward the end of fostering positive, meaningful, and sustained cross-group relationships. Whereas in debate, students learn to listen to gain advantage, in intergroup dialogue, students learn to listen to gain understanding. In so doing, students develop increased multicultural interaction facility, heightened intergroup awareness and sensitivity, and greater commitment to civic engagement.*

|      |   |                   |
|------|---|-------------------|
| 0201 | Benjamin Beltran, Ron Padron, Michelle Strange, Jeremy Gombin-Sperling, | Seats (Total: 42) |
|      | Benjamin Parks, Jacqueline Pearce                                       |                   |
|      | Garrett, Erin McClure, Roger Worthington                                |                   |
|      | <b>Meets October 18, 2017 - December 6, 2017</b>                        |                   |
|      | W 6:30pm - 8:30pm   | MMH 2411          |

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**EDHI338U Teaching and Learning about Cultural Diversity through Intergroup Dialogue; U.S. Identity in a Global Context**

(Perm req)                      Grading Method: Regular,                      General Education: DVCC  
Credits: 1                      Pass-Fail, Audit

*Engages students, from one or more cultural identity groups, in facilitated dialogue about the similarities and differences of experience that exist within a group and/or between and across groups. The goal of intergroup dialogue is for students to develop comfort with, and skill for, discourse on difficult topics toward the end of fostering positive, meaningful, and sustained cross-group relationships. Whereas in debate, students learn to listen to gain advantage, in intergroup dialogue, students learn to listen to gain understanding. In so doing, students develop increased multicultural interaction facility, heightened intergroup awareness and sensitivity, and greater commitment to civic engagement.*

For students who have studied abroad, plan to study abroad, and/or have other international experience/identities. Please email Jeremy Gombin-Sperling at [jgombins@umd.edu](mailto:jgombins@umd.edu) if interested in the course.

|      |  |                   |
|------|--|-------------------|
| 0201 | Jeremy Gombin-Sperling, Krista Uhrig,            | Seats (Total: 14) |
|      | Roger Worthington                                |                   |
|      | <b>Meets October 23, 2017 - December 4, 2017</b> |                   |
|      | M 5:30pm - 7:30pm                                |                   |
|      |  | MMH 2411B         |

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**EDHI488E****Special Topics in Education Policy and Administration; Ecological Ethics and Education**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special and intensive treatment of current topics and issues in education policy and administration.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Jing Lin          | Seats (Total: 20) |
|      | W 4:15pm - 7:00pm | EDU 1315          |

**EDHI489****Field Experiences in Education**

(Perm req)

Credits: 1-4                      Grading Method: Regular,  
Pass-Fail, Audit

*Planned field experience in education-related activities. Credit not to be granted for experiences accrued prior to registration.*

**Contact department for information to register for this course.**

**EDHI498****Special Problems in Education**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Available only to students who have definite plans for individual study of approved problems.*

**Contact department for information to register for this course.**

**EDHI605****Comparative Education**

Credits: 3                      Grading Method: Regular,  
Audit

*Credit only granted for: EDHI605, EDPL605, or EDPS605. Formerly: EDPL605.*

*Analyzes and compares leading issues in education in various countries of the world, particularly as they relate to crucial problems in American education.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Nelly Stromquist  | Seats (Total: 20) |
|      | M 4:15pm - 7:00pm | EDU 2101          |

**EDHI606****Political Economy of Education in a Global Context**

Credits: 3                      Grading Method: Regular,  
Audit

*Credit only granted for: EDHI606, EDPL606, or EDPS606. Formerly: EDPL606.*

*Examination of alternative economics perspectives and their implication for education policy and practice internationally, from local to global levels. The connection of education to issues of development, inequality, poverty, gender, and race will be discussed.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Steven Klees       | Seats (Total: 20) |
|      | Tu 4:15pm - 7:00pm | EDU 2102          |

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**EDHI640      Introduction to Educational Leadership**

Credits: 3                      Grading Method: Regular,  
   Audit

*Credit only granted for: EDHI640, EDPL640, or EDPS640. Formerly: EDPL640.*

*The focus of this course is the analysis of the role of education administrators/leaders in the social, political, and legal contexts of schools. Also examines the role of leadership in school improvement.*

**Contact department for information to register for this course.**

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**EDHI645      Leading Instructional Improvement**

Credits: 3                      Grading Method: Regular,  
   Audit

*Credit only granted for: EDHI645, EDPL645, or EDPS645. Formerly: EDPL645.*

*Development of knowledge and skills in the use of data bases, research findings and models of supervision, to improve instruction in schools.*

**Contact department for information to register for this course.**

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**EDHI650      Professional Seminar in Higher and Adult Education**

Credits: 3                      Grading Method: Sat-Fail

*Credit only granted for: EDHI650, EDPL650, or EDPS650. Formerly: EDPL650.*

*Introduction to higher and adult education as a field of study. Origins current dimensions and problems, and emerging issues. Field trips to state and national capitols, and involvement in professional conferences.*

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|------|--------------------|-------------------|
| 0101 | Sharon Fries-Britt | Seats (Total: 20) |
|      | Th 4:15pm - 7:00pm | EDU 2102          |

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**EDHI652      Higher Education in American Society**

Credits: 3                      Grading Method: Regular,  
   Audit

*Credit only granted for: EDHI652, EDPL652, or EDPS652. Formerly: EDPL652.*

*Examines the concepts of academic freedom, corporate autonomy and institutional accountability with emphasis on twentieth century relationships between higher education and government in the United States.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Alberto Cabrera   | Seats (Total: 20) |
|      | M 7:00pm - 9:45pm | EDU 2101          |

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### **EDHI660      Retention Theories and the Impact of College**

Credits: 3                      Grading Method: Regular

*Credit only granted for: EDHI660, EDPL660, or EDPS660. Formerly: EDPL660.*

*An introduction to retention theories and the college impact literature. The primary focus will be to examine the disciplinary and philosophical frameworks that have informed the development of leading theories and policies.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Sharon Fries-Britt | Seats (Total: 15) |
|      | Tu 4:15pm - 7:00pm | EDU 3233          |

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### **EDHI664      The College Experience**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Permission of instructor. And must be in a major within EDUC-Counseling, Higher Education and Special Education department; or must be in a major within EDUC-Education Policy and Leadership department; or must be in a major within EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDHI664, EDPL664, or EDPS664. Formerly: EDPL664.*

*Designed to provide students with an overview of the research and scholarship on two of the major stakeholders in higher education -- students and faculty. Examines the educational experiences of college students in and out of the classroom in higher education in the United States by focusing on what students learn and the different collegiate experiences that influence their learning.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Alberto Cabrera   | Seats (Total: 15) |
|      | W 4:15pm - 7:00pm | EDU 1121          |

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### **EDHI672      Modes of Inquiry in Education Research**

Credits: 3                      Grading Method: Regular,  
Audit

*Credit only granted for: EDHI672, EDPL672, or EDPS672. Formerly: EDPL672.*

*Introduction to modes of inquiry appropriate to research on issues and problems in education. Examination of qualitative, quantitative and mixed research methods and designs with a focus on related standards of quality.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Steven Klees      | Seats (Total: 20) |
|      | M 7:00pm - 9:45pm | EDU 1121          |

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**EDHI679      Master's Seminar**

Credits: 3      Grading Method: Regular,  
Audit

*Directed study for master's degree students writing seminar papers.*

**Contact department for information to register for this course.**

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**EDHI682      Ecological Ethics and Education**

Credits: 3      Grading Method: Regular,  
Audit

*Credit only granted for: EDHI682 or EDHI788E. Formerly: EDHI788E.*

*An exploration of the paradigms, approaches, and ways of knowing offered through ecological ethics and environmental sustainability education.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Jing Lin          | Seats (Total: 20) |
|      | W 4:15pm - 7:00pm | EDU 1315          |

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**EDHI689      Practicum In Educational Administration and Supervision**

(Perm req)

Credits: 1-3      Grading Method: Sat-Fail

*Promotes skill development in managerial, leadership and supervisory areas. Practicum is based on results of diagnostic instruments and an individual professional development plan.*

**Contact department for information to register for this course.**

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**EDHI702      Advanced Seminar in Research Methods for Education Leaders**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: EDHI672 and EDUC701. Credit only granted for: EDHI702, EDPL702, or EDPS702. Formerly: EDPL702.*

**Contact department for information to register for this course.**

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Nelly Stromquist   | Seats (Total: 20) |
|      | Tu 7:00pm - 9:45pm | EDU 3233          |

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Jing Lin           | Seats (Total: 20) |
|      | Th 4:15pm - 7:00pm | EDU 1315          |

**Contact department for information to register for this course.**

**EDHI767 Seminar on School District Leadership**

Credits: 4      Grading Method: Regular, Audit

*Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.  
Credit only granted for: EDH1767, EDPL767, or EDPS767. Formerly: EDPL767.*

*Examination of theory and research related to school district leadership. Focus on integration of organizational, political, community, instructional and ethical aspects of educational leadership.*

**Contact department for information to register for this course.**

## EDHI788M Special Topics in Education Policy and Administration; Systems Innovation

Credits: 3      Grading Method: Regular,  
Audit

*Special and intensive treatment of current topics and issues in education policy and administration.*

**Contact department for information to register for this course.**

## EDHI788Y Special Topics in Education Policy and Administration; State-Level Higher Education Research

Credits: 1-3      Grading Method: Regular, Audit

*Special and intensive treatment of current topics and issues in education policy and administration.*

This course instructs students on how to conduct state- and national-level higher education policy research using panel data and quantitative techniques.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Marvin Titus       | Seats (Total: 15) |
|      | Tu 7:00pm - 9:45pm | EDU 1107          |

**EDHI789      Doctoral Practicum in Administration and Supervision**

Credits: 1-3      Grading Method: Sat-Fail

*Experiential activities designed to enhance student skills. Based on Individual Professional Development Plan for each student.*

**Contact department for information to register for this course.**

## EDHI798      Special Problems in Education

(Perm req)

Credits: 1-6      Grading Method: Regular, Audit

*Master's, AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.*



**Contact department for information to register for this course.**

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**EDHI799      Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**EDHI888      Apprenticeship in Education**

Credits: 1-8      Grading Method: Regular,  
Audit

*Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.*

|   |                    |                   |
|---|--------------------|-------------------|
| 0101  | Sharon Fries-Britt | Seats (Total: 5)  |
| Contact instructor or department for details. |                    |                   |
| 3301  | Nelly Stromquist   | Seats (Total: 10) |
| Contact instructor or department for details. |                    |                   |
| 3501  | Alberto Cabrera    | Seats (Total: 5)  |
| Contact instructor or department for details. |                    |                   |

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**EDHI889      Internship in Education**

(Perm req)

Credits: 3-8      Grading Method: Regular,  
Audit

*Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.*

**Contact department for information to register for this course.**

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**EDHI898      Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

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**EDHI899      Doctoral Dissertation Research**

(Perm req)

Credits: 6      Grading Method: Regular

*Registration required to the extent of 6-9 hours for an Ed.D. Project and 12-18 hours for a Ph.D. Dissertation.*

**Contact department for information to register for this course.**

## EDMS451

## Introduction to Educational Statistics

Credits: 3

Grading Method: Regular,  
Audit

General Education: FSAR

*Restriction: Sophomore standing or higher. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, INST314, JOUR405, PSYC200 or SOCY201. (These courses do not necessarily meet the same major requirements-check with your advisor to see which of these courses will count for your major).*

*Introduction to statistical reasoning; location and dispersion measures; computer applications; regression and correlation; formation of hypotheses tests; t-test; one-way analysis of variance; analysis of contingency tables.*

|      |                      |                    |
|------|----------------------|--------------------|
| 0101 | Gregory Hancock      | Seats (Total: 200) |
|      | TuTh 2:00pm - 3:15pm | BRB 1101           |

## EDMS610

## Classroom Assessment and Evaluation

Credits: 3

Grading Method: Regular,  
Audit

*Develop the understandings and skills needed to validly, reliably, and accurately assess student learning and to provide focused leadership in the area of classroom assessment.*

**Contact department for information to register for this course.**

## EDMS623

## Applied Measurement: Issues and Practices

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: EDMS410. And EDMS645; or students who have taken courses with comparable content may contact the department.*

*Measurement theory and its application at an intermediate level; test development, validation and interpretation; issues and recent developments in measurement.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Ji Seung Yang      | Seats (Total: 25) |
|      | Th 4:15pm - 7:00pm | ASY 3219          |

## EDMS645

## Quantitative Research Methods I

Credits: 3

Grading Method: Regular,  
Audit

*Research design and statistical applications in educational research: data representation; descriptive statistics; estimation and hypothesis testing. Application of statistical computer packages is emphasized.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Tracy Sweet        | Seats (Total: 30) |
|      | MW 2:00pm - 3:15pm | HJP 2242          |

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**EDMS646      General Linear Models I**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: EDMS645; or an equivalent introductory statistics course.*

*A first post-introductory inferential statistics course, with emphasis on analysis of variance procedures and designs from within the general linear modeling framework. Assignments include student analysis of education and related data; application of statistical software packages is emphasized.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Yang Liu           | Seats (Total: 30) |
|      | Tu 4:15pm - 7:00pm | ASY 3219          |

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**EDMS651      General Linear Models II**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: EDMS646; or students who have taken courses with comparable content may contact the department.*

*Multiple regression and correlation analysis; trend analysis; hierarchical and stepwise procedures; logistic regression; software for regression analysis.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Ji Seung Yang     | Seats (Total: 30) |
|      | W 4:15pm - 7:00pm | EDU 0220          |

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**EDMS655      Introduction to Multilevel Modeling**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: EDMS651; or students who have taken courses with comparable content may contact the department.*

*Introduction to multilevel models and methodology as strategies for modeling change and organizational effects.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Laura Stapleton   | Seats (Total: 25) |
|      | W 4:15pm - 7:00pm | EDU 3233          |

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**EDMS657 Exploratory Latent and Composite Variable Methods**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: EDMS651.*

*Development of models for exploratory factor analysis and their practical applications. Additional topics will draw from latent class analysis, cluster analysis, mixture models, canonical correlation, multidimensional scaling, and configural frequency analysis.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Gregory Hancock    | Seats (Total: 30) |
|      | Tu 4:15pm - 7:00pm | EDU 0220          |

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**EDMS738E Seminar in Special Problems in Measurement; Psychometrics in Large Scale Assessment**

(Perm req)

Credits: 3                      Grading Method: Regular,  
   Audit

*An opportunity for students with special interests to focus in depth on contemporary topics in measurement. Topics to be announced, but will typically be related to applied and theoretical measurement.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Hong Jiao          | Seats (Total: 20) |
|      | Th 4:15pm - 7:00pm | EDU 1121          |

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**EDMS738G Seminar in Special Problems in Measurement; Assessment and Evaluation for School Leaders: Part II**

Credits: 3                      Grading Method: Regular,  
   Audit

*An opportunity for students with special interests to focus in depth on contemporary topics in measurement. Topics to be announced, but will typically be related to applied and theoretical measurement.*

**Contact department for information to register for this course.**

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**EDMS769M Special Topics in Applied Statistics in Education; Social Network Models**

(Perm req)

Credits: 3                      Grading Method: Regular,  
   Audit

*Designed primarily for students majoring or minoring in measurement, statistics or evaluation.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Tracy Sweet       | Seats (Total: 20) |
|      | M 4:15pm - 7:00pm | EDU 1315          |

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**EDMS798 Special Problems in Education**

(Perm req)

Credits: 1-6      Grading Method: Regular,  
Audit

*Master's, EDMS majors, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.*

Prerequisite: permission of department.

**Contact department for information to register for this course.**

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**EDMS799 Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

*Registration required to the extent of 6 credits.*

**Contact department for information to register for this course.**

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**EDMS889 Internship in Measurement and Statistics**

Credits: 3-8      Grading Method: Regular,  
Audit

*Provides internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.*

**Contact department for information to register for this course.**

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**EDMS898 Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

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**EDMS899 Doctoral Dissertation Research**

(Perm req)

Credits: 6      Grading Method: Regular

*Registration required to the extent of 12 credits.*

**Contact department for information to register for this course.**

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**EDPS Education Policy Studies**

**Fall 2017**

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**EDPS210 Historical and Philosophical Perspectives on Education**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: HO                      General Education: DSHU

*Credit only granted for: EDPL210 or EDPS210. Formerly: EDPL210.*

*An examination of illustrative historical and philosophical examples of the interplay of ideas and events in the shaping of educational aims and practices from ancient cultures to modern technological societies.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Erin Janulis           | Seats (Total: 30) |
|      | TuTh 12:30pm - 1:45pm  | EDU 2119          |
| 0201 | Joel Miller            | Seats (Total: 30) |
|      | TuTh 9:30am - 10:45am  | EDU 3315          |
| 0301 | Lisa Eaker             | Seats (Total: 30) |
|      | TuTh 11:00am - 12:15pm | EDU 3315          |

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**EDPS301                      Foundations of Education**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: DSHS

*Credit only granted for: EDPL301 or EDPS301. Formerly: EDPL301.*

*Social context of education and conflicts over philosophies, values, and goals that are reflected in educational institutions in our pluralistic society. Helps teachers become reflective, critical thinkers about the social and philosophical issues they face and the choices they make.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Jason Mayernick        | Seats (Total: 30) |
|      | TuTh 9:30am - 10:45am  | EDU 3233          |
| 0201 | Jason Mayernick        | Seats (Total: 30) |
|      | TuTh 11:00am - 12:15pm | ASY 3207          |
| 0301 | Joel Miller            | Seats (Total: 30) |
|      | TuTh 12:30pm - 1:45pm  | SQH 2120          |
| 0401 | Kevin Shindel          | Seats (Total: 30) |
|      | W 4:15pm - 7:00pm      | JMZ 1122          |
| 0501 | Lisa Eaker             | Seats (Total: 28) |
|      | M 10:00am - 12:45pm    | EDU 1315          |

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**EDPS489      Field Experiences in Education**

(Perm req)

Credits: 1-4      Grading Method: Regular,  
Pass-Fail, Audit

*Planned field experience in education-related activities. Credit not to be granted for experiences accrued prior to registration.*

**Contact department for information to register for this course.**

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**EDPS498      Special Problems in Education**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Available only to students who have definite plans for individual study of approved problems.*

**Contact department for information to register for this course.**

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**EDPS615      Economics of Education**

Credits: 3      Grading Method: Regular,  
Audit

*Credit only granted for: EDHI615, EDPL615, or EDPS625. Formerly: EDPL615.*

*An introduction to the application of economic principles to the study of education policy. The course content revolves around issues of efficiency, equity, and freedom of choice. Specific attention is devoted to school finance litigation and reform, practices for raising and allocating resources, and education productivity issues.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | David Blazar      | Seats (Total: 20) |
|      | W 1:00pm - 3:45pm | SYM 0215          |

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**EDPS620      Education Policy Analysis**

Credits: 3      Grading Method: Regular,  
Audit

*Credit only granted for: EDHI620, EDPL620, or EDPS620. Formerly: EDPL620.*

*Policy making in education from planning to evaluation with emphasis on the identification of policy problems and the resources available to analysts through multi-disciplinary approaches. An introductory experience with education policy analysis.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Betty Malen       | Seats (Total: 20) |
|      | M 4:15pm - 7:00pm | EDU 1107          |

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**EDPS679      Master's Seminar**

Credits: 3      Grading Method: Regular, Audit

*Directed study for master's degree students writing seminar papers.*

**Contact department for information to register for this course.**

## EDPS703 Quantitative Applications for Education Policy Analysis

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: EDMS645; or students who have taken courses with comparable content may contact the department. Recommended: EDMS646; or EDMS651. Or EDMS646; and EDMS651. Credit only granted for: EDHI703, EDPL703, EDPL788U, or EDPS703. Formerly: EDPL703.*

*Students use quantitative applications and secondary datasets to investigate social problems and education policies. Emphasis on the use of quasi-experimental designs and regression techniques to frame education issues, analyze, and recommend policies.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Claudia Galindo    | Seats (Total: 20) |
|      | Th 4:15pm - 7:00pm | JMZ 0118          |

## EDPS735      Phenomenological Inquiry I

Credits: 3      Grading Method: Regular, Audit

*Credit only granted for: EDHI735, EDPL735, or EDPS735. Formerly: EDPL735.*

*Philosophic grounding for phenomenological inquiry at a beginning level Guided writing practice in doing phenomenological inquiry is provided on a selected lived experience phenomenon.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Francine Hultgren | Seats (Total: 20) |
|      | M 4:15pm - 7:00pm | EDU 3315          |

## EDPS751 Law, Equity, and Diversity in Education

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: EDHI651 or EDHI671; or permission of instructor. Credit only granted for: EDHI751, EDPL751, or EDPS751. Formerly: EDPL751.*

*An examination of 'dilemmas of difference' on selected issues that arise at the intersection of law and education policy. Dilemmas and value conflicts imbedded in modern federal and state case law dealing with race, gender, sexual orientation, religion and disability.*



|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Ethan Hutt         | Seats (Total: 20) |
|      | Tu 4:15pm - 7:00pm | EDU 3236          |

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**EDPS788P      Special Topics in Education Policy and Administration; Core I**

Credits: 3                      Grading Method: Regular,  
   Audit

*Special and intensive treatment of current topics and issues in education policy and administration.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Betty Malen        | Seats (Total: 25) |
|      | Th 4:15pm - 7:00pm | EDU 1107          |

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**EDPS788V      Special Topics in Education Policy and Administration; History of Curriculum**

Credits: 3                      Grading Method: Regular,  
   Audit

*Special and intensive treatment of current topics and issues in education policy and administration.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Campbell Scribner | Seats (Total: 20) |
|      | W 4:15pm - 7:00pm | EDU 2102          |

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**EDPS789      Doctoral Practicum in Administration and Supervision**

Credits: 1-3                      Grading Method: Sat-Fail

*Experiential activities designed to enhance student skills. Based on Individual Professional Development Plan for each student.*

**Contact department for information to register for this course.**

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**EDPS798      Special Problems in Education**

(Perm req)

Credits: 1-6                      Grading Method: Regular,  
   Audit

*Master's, AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.*

**Contact department for information to register for this course.**

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**EDPS799      Master's Thesis Research**

Credits: 1-6                      Grading Method: Regular, Sat-  
   Fail

**Contact department for information to register for this course.**

## Apprenticeship in Education

Grading Method: Regular,  
Audit

|      |   |                   |
|------|---|-------------------|
| 0101 | Dennis Herschbach                             | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

|      |   |                   |
|------|---|-------------------|
| 0201 | Pam Splaine                                   | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

|      |   |                  |
|------|---|------------------|
| 0301 | Robert Croninger                              | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

## Internship in Education

Credits: 3-8

Grading Method: Regular,  
Audit

*Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.*

**Contact department for information to register for this course.**

## Pre-Candidacy Research

Grading Method: Regular

**Contact department for information to register for this course.**

## Doctoral Dissertation Research

Credits: 1-8

Grading Method: Regular, Sat-Fail

*Registration required to the extent of 6-9 hours for an Ed.D. Project and 12-18 hours for a Ph.D. Dissertation.*

**Contact department for information to register for this course.**

Credits: 3                      Grading Method: Regular,  
Audit

General Education: DVUP

*Restriction: Sophomore standing or lower. Credit only granted for: EDSP210 or EDSP470.*

*Characteristics and needs of individuals receiving special education and related services. Current issues and practices in special education.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Yewon Lee           | Seats (Total: 40) |
|      | MW 2:00pm - 3:15pm  | SQH 1117          |
| 0301 | Yewon Lee           | Seats (Total: 40) |
|      | MW 12:30pm - 1:45pm | SQH 1119          |

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**EDSP211                      Introduction to Special Education**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

General Education: DVUP

*Restriction: Sophomore standing or lower; and permission of EDUC-Counseling, Higher Education and Special Education department. Credit only granted for: EDSP210 or EDSP470.*

*An introduction to the field of special education. Students examine historical foundations, including legislation; review components necessary for effective service delivery; and develop an understanding of the role of collaboration and consultation with parents, school personnel and other professionals. In addition, students are introduced to the nature and characteristics of various disabilities and review current issues in the field including overrepresentation of minority students in special education, inclusion, and federal and state assessment mandates. Current topics are addressed including evidence-based practices, universal design for learning, and individualization and differentiation of instruction..*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Joan Lieber       | Seats (Total: 25) |
|      | M 1:00pm - 3:45pm | EDU 1315          |

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**EDSP220                      Disability in Community: Access, Accommodation, and Adaptation**

Credits: 3                      Grading Method: Regular

General Education: DSSP,  
DVCC

*Examines the concept of disability in a variety of community settings. Drawing on classic and contemporary readings in psychology, sociology and special education, the course will couple conceptual and historical understanding of disability with first-hand service-learning experiences in the community. Students will develop a plan in several phases that encompasses principles of Universal Design for Living/Learning (UDL) to study and participate in community-based activities.*

|      |                    |                   |     |
|------|--------------------|-------------------|-----|
| 0101 | Carolyn Fink       | Seats (Total: 28) |     |
|      | W 9:30am - 10:45am | EDU 3233          |     |
|      | M 9:30am - 10:45am | EDU 3233          | Lab |

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**EDSP289 Disability: From Stigma and Sideshow to Mainstream and Main Street**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB, D      General Education: DSHS, DVUP, SCIS

|      |                     |                   |            |
|------|---------------------|-------------------|------------|
| 0101 | Peter Leone         | Seats (Total: 20) |            |
|      | Tu 12:30pm - 1:45pm | SQH 1119          |            |
|      | Th 12:30pm - 1:45pm | EDU 1121          | Discussion |
| 0102 | Peter Leone         | Seats (Total: 20) |            |
|      | Tu 12:30pm - 1:45pm | SQH 1119          |            |
|      | Th 12:30pm - 1:45pm | EDU 2101          | Discussion |
| 0103 | Peter Leone         | Seats (Total: 20) |            |
|      | Tu 12:30pm - 1:45pm | SQH 1119          |            |
|      | Th 12:30pm - 1:45pm | EDU 3233          | Discussion |

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**EDSP321 The Young Child As Scientist**

Credits: 3      Grading Method: Regular

*Prerequisite: EDSP423, EDHD431, and EDSP315; and track 1: Must have completed EDSP430 and EDSP433; OR Track 2: Must have completed EDHD415 and EDHD424. Corequisite: EDHD322, EDHD323, EDSP417, EDHD441, EDHD442, EDHD443, and EDHD444.*

*A theoretical and pedagogical framework for evidence-based inclusive science instruction in inclusive early childhood classrooms. Examination of principles of inquiry-based science learning and develop strategies for helping children acquire fundamental problem-solving skills that may be applied to understanding a wide array of science content. Assessment strategies for evaluating the achievement of science objectives, and the achievement for all children will be addressed. Includes field experience.*

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 0101 | Joan Lieber        | Seats (Total: 36) |  |
|      | W 8:30am - 11:00am | EDU 1107          |  |

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**EDSP376 Fundamentals of Sign Language**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DVCC

*Receptive and expressive skills in American Sign Language. Examination of the causes of deafness, characteristics of deaf education, and aspects of the culture of the deaf community.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Michael Dunham     | Seats (Total: 30) |
|      | MW 5:00pm - 6:15pm | TYD 0111          |

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**EDSP400 Instruction of Students with Severe Disabilities I**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Must be in Special Education program. Also offered as: EDSP602. Credit only granted for: EDSP400 or EDSP602.*

*Functional assessment procedures and instructional methods for students with severe disabilities.*

|      |                     |                                |
|------|---------------------|--------------------------------|
| 0101 | Frances Kohl        | Seats (Total: 40)              |
|      | W 4:15pm - 6:15pm   | EDU 1107                       |
|      | Tu 9:00am - 11:00am | Location: TBA              Lab |

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**EDSP404 Education of Students with Autism Spectrum Disorders**

(Perm req)                      Grading Method: Regular,  
Credits: 3                      Audit

*Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Also offered as: EDSP604. Credit only granted for: EDSP404 or EDSP604.*

*Characteristics, needs, assessment, and educational methods for students with autism spectrum disorders.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Gulnoza Yakubova  | Seats (Total: 40) |
|      | W 4:15pm - 7:00pm | SQH 1117          |

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**EDSP411 Universal Design for Learning**

(Perm req)                      Credits: 3                      Grading Method: Regular

*Prerequisite: EDSP210 or EDSP470. Restriction: Must be in Special Education program.*

*Universal Design for Learning addresses a foundation framework for teacher candidates to learn how to design and implement instruction for a broad range of students with diverse needs rather than rely exclusively on accommodations to instruction for some students.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Gulnoza Yakubova   | Seats (Total: 28) |
|      | Th 1:15pm - 4:00pm | EDU 3236          |

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**EDSP413 Behavior and Classroom Management in Special Education**

Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Must be in Special Education program. Also offered as: EDSP613. Credit only granted for: EDSP413, or EDSP613.*

*Use of applied behavior analysis for assessment of behavior and learning environments. Design of behavior and classroom management of students in special education.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Kelli Cummings     | Seats (Total: 40) |
|      | Tu 4:15pm - 7:00pm | EDU 2119          |

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**EDSP417 Reading Diagnosis and Assessment**

Credits: 3                      Grading Method: Regular

*Prerequisite: EDSP423, EDHD431, and EDSP315; and track 1: Must have completed EDSP430 and EDSP433; OR Track 2: Must have completed EDHD415 and EDHD424. Corequisite: EDHD322, EDHD323, EDSP321, EDHD441, EDHD442, EDHD443, and EDHD444.*

*Reading Diagnosis and Assessment prepares teacher candidates to assess children in general and special early childhood education settings in the areas of reading and writing in order to plan for instruction. The course will focus on diagnostic, screening, progress monitoring, and outcome assessments in early and beginning literacy. The course is designed to provide participants with the knowledge and skills necessary to collect and use a wide range of assessment data in general education and special education settings. Includes field experience.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Cindy Sherman     | Seats (Total: 36) |
|      | M 1:00pm - 3:45pm | EDU 1121          |

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**EDSP420 Child Development, Birth to Three Years**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: EDHD210 and EDHD220. Corequisite: EDHD425 and EDHD314. Restriction: Must be in Special Education program.*

*Child development theory and research, as well as knowledge about typical and atypical development of children from birth to three years of age. The course emphasizes learning for children with and without disabilities, and for children who are at risk due to poverty and other environmental factors. The course will introduce how children develop and the challenges they face within the domains of physical, cognitive, language, social, and emotional development, with particular attention paid to the impact of risk factors on development. Students will become familiar with delays and differences in development that may occur as the result of disability. Finally, students will learn the effects of cultural and linguistic differences on growth and development. Information about theory and research in child development for children with and without disabilities will be enhanced through a series of observational experiences, which will build upon concepts addressed during class. Includes field experiences.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Paula Beckman      | Seats (Total: 36) |
|      | Th 4:15pm - 7:00pm | EDU 2119          |

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### **EDSP443      Language and Literacy Acquisition in Children with Disabilities**

Credits: 3                      Grading Method: Regular

*Restriction: Must be in Special Education program. Additional information: This course is the first of four reading courses required by the Maryland State Department of Education for teacher certification in Special Education.*

*Language and literacy acquisition and characteristics of typical and atypical language development in supporting students with reading and writing disabilities.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Nicole Abera      | Seats (Total: 40) |
|      | W 1:15pm - 4:00pm | EDU 1121          |

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### **EDSP451      Curriculum and Instruction: Elementary/Middle Special Education**

Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Must be in Special Education program. Also offered as: EDSP652. Credit only granted for: EDSP451 or EDSP652.*

*Methods for instruction of students with disabilities in the general education curriculum. Collaboration with other professionals is included.*

|      |                     |                        |
|------|---------------------|------------------------|
| 0101 | Sarah Mallory       | Seats (Total: 40)      |
|      | M 1:15pm - 3:15pm   | EDU 1107               |
|      | Th 9:00am - 11:00am | Location: TBA      Lab |

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### **EDSP452      Internship I: Elementary/Middle Special Education**

Credits: 2-4      Grading Method: Regular,  
Audit      General Education: DSSP

*Restriction: Must be in Special Education program. Also offered as: EDSP692. Credit only granted for: EDSP452 or EDSP692.*

*Field experience in elementary/middle school special education.*

|      |                        |                        |
|------|------------------------|------------------------|
| 0101 | Stacey Williams        | Seats (Total: 20)      |
|      | F 10:30am - 12:00pm    | EDU 3315               |
|      | MTuWTh 8:00am - 1:00pm | Location: TBA      Lab |

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**EDSP470      Introduction to Special Education**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit      General Education: DVUP

*Restriction: Must not have completed EDSP210. Credit only granted for: EDSP210 or EDSP470.*

*Designed to give an understanding of the needs of all types of exceptional children.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Yewon Lee           | Seats (Total: 10) |
|      | MW 2:00pm - 3:15pm  | SQH 1117          |
| 0301 | Yewon Lee           | Seats (Total: 7)  |
|      | MW 12:30pm - 1:45pm | SQH 1119          |

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**EDSP484      Reading and Writing Instruction in Special Education II**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: EDSP416. Restriction: Must be in Special Education program. Also offered as: EDSP684. Credit only granted for: EDSP484 or EDSP684.*

*Focus on the development of reading and writing programs for students in special education. Builds on foundations established in EDSP416.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Patricia Smith     | Seats (Total: 40) |
|      | Tu 1:15pm - 4:00pm | ESJ 2309          |

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**EDSP487      Family Partnerships in Special Education**

Credits: 3      Grading Method: Regular,  
Audit



*Restriction: Must be in Special Education program. Also offered as: EDSP687. Credit only granted for: EDSP487 or EDSP687.*

*Strategies for communicating and working with families of students with disabilities.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Wanda Pittman-Gregory | Seats (Total: 40) |
|      | M 4:15pm - 7:00pm     | EDU 1121          |

---

**EDSP498 Special Problems in Special Education**

(Perm req)

Credits: 1-6      Grading Method: Regular,  
Pass-Fail, Audit

*Available only to education majors who have definite plans for individual study of approved problems.  
Credit according to extent of work.*

Special education majors only.

**Contact department for information to register for this course.**

---

**EDSP498B Special Problems in Special Education; Career Development and Advising**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Available only to education majors who have definite plans for individual study of approved problems.  
Credit according to extent of work.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Jessica Chew, Matthew Sinclair                | Seats (Total: 15) |
|      | F 2:10pm - 3:00pm                             | EDU 1121          |
|      | Contact instructor or department for details. |                   |

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**EDSP499 Workshops, Clinics, and Institutes in Special Education**

Credits: 1-6      Grading Method: Regular,  
Pass-Fail, Audit

*The following type of educational enterprise may be scheduled under this course heading: workshops conducted by the special education department (or developed cooperatively with other departments, colleges and universities) and not otherwise covered in the present course listing. Laboratories, and special education centers; institutes developed around specific topics or problems and intended for designated groups such as school superintendents, principals and supervisors.*

|      |   |                  |
|------|---|------------------|
| 0901 | Peter Leone                                   | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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**EDSP499F****Workshops, Clinics, and Institutes in Special Education; Teaching Children with Disabilities in Elementary Classrooms**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*The following type of educational enterprise may be scheduled under this course heading: workshops conducted by the special education department (or developed cooperatively with other departments, colleges and universities) and not otherwise covered in the present course listing. Laboratories, and special education centers; institutes developed around specific topics or problems and intended for designated groups such as school superintendents, principals and supervisors.*

Must be an Elementary Education major with a minimum cumulative GPA of 2.75.

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Susan De La Paz      | Seats (Total: 30) |            |
|      | M 4:15pm - 5:30pm    | TWS 0310          |            |
|      | Th 11:00am - 12:15pm | ESJ 1309          | Discussion |
| 0102 | Susan De La Paz      | Seats (Total: 30) |            |
|      | M 4:15pm - 5:30pm    | TWS 0310          |            |
|      | Tu 11:00am - 12:15pm | ESJ 1309          | Discussion |
| 0103 | Susan De La Paz      | Seats (Total: 30) |            |
|      | M 4:15pm - 5:30pm    | TWS 0310          |            |
|      | W 10:00am - 11:15am  | ESJ 1309          | Discussion |

**EDSP600****Issues and Trends in Educating Individuals with Disabilities**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: 9 credits in EDSP courses. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.*

*Examines research and practice relevant to the education of individuals with disabilities.*

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 0101 | Debra Neubert      | Seats (Total: 25) |  |
|      | Tu 4:15pm - 7:00pm | ASY 3215          |  |

**EDSP602****Instruction of Students with Severe Disabilities I**Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in Special Education (Master's) program. Credit only granted for: EDSP400 or EDSP602.*

*Functional assessment procedures and instructional methods for students with severe disabilities.*

|      |                     |                        |
|------|---------------------|------------------------|
| 0101 | Frances Kohl        | Seats (Total: 40)      |
|      | W 4:15pm - 6:15pm   | EDU 1107               |
|      | Tu 9:00am - 11:00am | Location: TBA      Lab |

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**EDSP604      Education of Students with Autism Spectrum Disorder**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.  
Also offered as: EDSP604, EDSP604. Credit only granted for: EDSP404 or EDSP604.*

*Characteristics, needs, assessment, and educational methods for student diagnosed as autistic or having a pervasive development disorder.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Gulnoza Yakubova  | Seats (Total: 40) |
|      | W 4:15pm - 7:00pm | SQH 1117          |

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**EDSP613      Behavior and Classroom Management in Special Education**

Credits: 3      Grading Method: Regular

*Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program; or permission of instructor. Also offered as: EDSP413. Credit only granted for: EDSP413 or EDSP613.*

*Applied behavior analysis for assessment of behavior and learning environments. Behavior and classroom management strategies for students in special education.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Kelli Cummings     | Seats (Total: 40) |
|      | Tu 4:15pm - 7:00pm | EDU 2119          |

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**EDSP625      Seminar on Severely Handicapping Conditions**

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.*

*Research and theories relevant to the education of severely handicapped individuals.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Frances Kohl      | Seats (Total: 15) |
|      | M 4:15pm - 7:00pm | Location: TBA     |

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**EDSP652 Curriculum and Instruction: Elementary Special Education**

Credits: 3                      Grading Method: Regular,  
   Audit

*Also offered as: EDSP652, EDSP652. Credit only granted for: EDSP451 or EDSP652.*

*Methods for instruction of students with disabilities in the general education curriculum. Collaboration with other professionals is included.*

For EDSP majors only.

|      |                     |                                |
|------|---------------------|--------------------------------|
| 0101 | Sarah Mallory       | Seats (Total: 40)              |
|      | M 1:15pm - 3:15pm   | EDU 1107                       |
|      | Th 9:00am - 11:00am | Location: TBA              Lab |

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**EDSP671 Qualitative Methodologies in Special Education**

(Perm req)

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: EDSP600. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.*

*Design and evaluation of qualitative research in special education across disabilities and ages.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Paula Beckman     | Seats (Total: 15) |
|      | W 4:15pm - 7:00pm | EDU 2101          |

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**EDSP684 Reading and Writing Instruction in Special Education II**

(Perm req)

Credits: 3                      Grading Method: Regular

*Prerequisite: EDSP616. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Also offered as: EDSP484. Credit only granted for: EDSP484 or EDSP684.*

*Development of effective reading and writing programs for students receiving special education services. Builds on the foundation established in EDSP 616.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Patricia Smith     | Seats (Total: 40) |
|      | Tu 1:15pm - 4:00pm | ESJ 2309          |

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**EDSP687 Family Partnerships in Special Education**

Credits: 3                      Grading Method: Regular

*Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP487. Credit only granted for: EDSP487 or EDSP687.*

*Strategies for communicating and working with families of students with disabilities.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Wanda Pittman-Gregory | Seats (Total: 40) |
|      | M 4:15pm - 7:00pm     | EDU 1121          |

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**EDSP692 Graduate Internship I: Elementary/Middle Special Education**

Credits: 2-4      Grading Method: Regular,  
Audit

*Restriction: Must be in Special Education (Master's) program. Credit only granted for: EDSP452 or EDSP692.*

*Field experience in elementary/middle school special education.*

|      |                        |                        |
|------|------------------------|------------------------|
| 0101 | Stacey Williams        | Seats (Total: 5)       |
|      | F 10:30am - 12:00pm    | EDU 3315               |
|      | MTuWTh 8:00am - 1:00pm | Location: TBA      Lab |

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**EDSP798 Special Problems in Special Education**

(Perm req)

Credits: 1-6      Grading Method: Regular,  
Audit

*Intended for Master's, AGS, or doctoral students in education who desire to pursue a research problem.*

Special education majors only.

**Contact department for information to register for this course.**

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**EDSP798E Special Problems in Special Education; Families Course Project**

Credits: 1      Grading Method: Regular,  
Audit

*Intended for Master's, AGS, or doctoral students in education who desire to pursue a research problem.*

**Contact department for information to register for this course.**

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**EDSP799 Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

*Registration required to the extent of six hours for Master's thesis.*

Special education majors only.

**Contact department for information to register for this course.**

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**EDSP888      Apprenticeship in Special Education**

(Perm req)

Credits: 1-8      Grading Method: Regular,  
Audit

*Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate- seeking graduate students.*

**Contact department for information to register for this course.**

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**EDSP888A      Apprenticeship in Special Education; Apprenticeship in College Teaching**

Credits: 3      Grading Method: Regular

*Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate- seeking graduate students.*

**Contact department for information to register for this course.**

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**EDSP888I      Apprenticeship in Special Education; Intervention Research in Language and Literacy**

Credits: 3      Grading Method: Regular,  
Audit

*Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate- seeking graduate students.*

|      |                   |                  |
|------|-------------------|------------------|
| 0101 | Jade Wexler       | Seats (Total: 5) |
|      | W 1:15pm - 4:00pm | SQH 2113         |

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**EDSP888R      Apprenticeship in Special Education; Special Education Research Pro-Seminar**

Credits: 3      Grading Method: Regular,  
Audit

*Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate- seeking graduate students.*

|      |                    |                  |
|------|--------------------|------------------|
| 0101 | Ana Taboada Barber | Seats (Total: 6) |
|      | M 4:15pm - 7:00pm  | EDU 1220         |

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**EDSP889      Internship in Special Education**

(Perm req)

Credits: 3-8

Grading Method: Regular,  
Audit

*Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.*

Special education majors only.

**Contact department for information to register for this course.**

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**EDSP898**

**Pre-Candidacy Research**

Credits: 1-8

Grading Method: Regular

**Contact department for information to register for this course.**

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**EDSP899**

**Doctoral Dissertation Research**

(Perm req)

Credits: 6

Grading Method: Regular

*Registration required to the extent of 6-9 hours for an Ed.D. Project and 12-18 hours for a Ph.D. dissertation.*

Special education majors only.

**Contact department for information to register for this course.**

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**EDUC**

**Education**

**Fall 2017**

**EDUC388**

**Special Topics in Education; Guided Experience In College Teaching**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

|      |   |                   |
|------|---|-------------------|
| 0202 | Chelsea Truesdell, Maya Dawit   | Seats (Total: 20) |
|      | TBA   | COL 1102          |
|      | Contact instructor or department for details.   |                   |
|      | <i>Restricted to students who are teaching UNIV100 or UNIV101.</i>  |                   |
| 0401 | Sharon Vanwright  | Seats (Total: 20) |
|      | Contact instructor or department for details.   |                   |
|      | Contact instructor or department for details.   |                   |
|      | <i>Relates to the academic achievement program and should be taken concurrently with EDCI498, section 6601.</i> |                   |

|      |   |                                    |
|------|---|------------------------------------|
| 0501 | Alicia Thomas, Stacy Woycheck<br>Tu 5:00pm - 6:30pm<br>Contact instructor or department for details.<br><br><i>Relates to the standard UTA program and is restricted to Life Science students only.</i>   | Seats (Total: 20)<br>SYM 1110      |
| SG91 | Tirza Bartels, Mary Gallagher<br>W 3:30pm - 5:00pm<br>Contact instructor or department for details.<br><br><i>Restricted to students in the Guided Study Sessions (GSS program at the Universities at Shady Grove). Prerequisite: Permission of the Associate Director of the Center for Academic Success (CAS) at USG.</i> | Seats (Total: 12)<br>Location: TBA |

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**EDUC388E      Special Topics in Education; Controversial Issues in Education Reform**

|            |  |                               |
|------------|--|-------------------------------|
| Credits: 3 | Grading Method: Regular,<br>Pass-Fail, Audit | General Education: DSSP       |
| 0101       | John King<br>M 7:00pm - 9:45pm               | Seats (Total: 30)<br>TWS 1320 |

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**EDUC388T      Special Topics in Education; Guided Experience in College Teaching - UTA**

(Perm req)

|            |   |   |
|------------|---|---|
| Credits: 3 | Grading Method: Regular,<br>Pass-Fail, Audit                        | General Education: DSSP                                 |
| 0101       | Jessica Haddaway<br>M 5:00pm - 7:00pm<br>Class time/details on ELMs | Seats (Total: 30)<br>JMZ 0205<br>ONLINE      Discussion |

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**EDUC498      Selected Topics in Education**

(Perm req)

Credits: 1-3      Grading Method: Regular

*Current topics and issues in education.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Jessica Haddaway<br>Contact instructor or department for details. | Seats (Total: 30) |
|------|---|-------------------|

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**EDUC703      Conducting Library Research for Dissertations**

(Perm req)

Credits: 2      Grading Method: Regular,  
Audit

*Restriction: Permission of EDUC-College of Education.*



*This course is designed to provide students in the Ed.D.doctoral program with the skills necessary to conduct library research in preparation for developing the literature review for the Dissertation in Practice.*

**Contact department for information to register for this course.**

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**EDUC704      Introduction to Writing the Dissertation in Practice**

Credits: 2                      Grading Method: Regular,  
   Audit

*Restriction: Permission of EDUC-College of Education.*

*This course is designed to provide students in the Ed.D. program with specific strategies and skills needed to complete their Dissertation of Practice. Skills include constructing a problem statement and developing a cohesive argument for a proposed solution.*

**Contact department for information to register for this course.**

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**EDUC760      The Human Dimension in Administration**

Credits: 4                      Grading Method: Regular,  
   Audit

*Restriction: Permission of EDUC-College of Education. Credit only granted for: EDUC760 or EDHI760. Formerly: EDHI760.*

*Course focuses on theory, research findings, and current practices in managing human resources in educational organizations. Issues related to performance evaluations, professional development, and legal and ethical standards are addressed.*

**Contact department for information to register for this course.**

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**EDUC767      Seminar on School District Leadership**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Permission of EDUC-College of Education. Credit only granted for: EDUC767 or EDHI767. Formerly: EDHI767.*

*Examination of theory and research related to school district leadership with focus on improvement sciences. Course uses improvement science model to understand organizational, political, community, instructional problems of practice.*

**Contact department for information to register for this course.**

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**EDUC888      Applied Apprenticeship in Education**

Credits: 1-3                      Grading Method: Regular,  
   Audit

*Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals.*

**Contact department for information to register for this course.**

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**EDUC888E      Applied Apprenticeship in Education; Improvement Science**

Credits: 1                      Grading Method: Regular,  
   Audit

*Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals.*

**Contact department for information to register for this course.**

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**EDUC888L      Applied Apprenticeship in Education; Introduction to Library Research**

Credits: 2                      Grading Method: Regular,  
   Audit

*Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals.*

**Contact department for information to register for this course.**

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**EDUC888W      Applied Apprenticeship in Education; Introduction to Scholarly Writing**

Credits: 2                      Grading Method: Regular,  
   Audit

*Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals.*

**Contact department for information to register for this course.**

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**EDUC898      Pre-Candidacy Research**

Credits: 2-4                      Grading Method: Regular

*Pre-Candidacy Research*

**Contact department for information to register for this course.**

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**EDUC899      Dissertation of Practice Research**

Credits: 1-6                      Grading Method: Regular,  
   Audit

*Registration required to the extent of 6-9 hours for an Ed.D. Dissertation.*

PGCPS II EdD Outreach Program. Registration restricted to program

**Contact department for information to register for this course.**

**ENAE100 The Aerospace Engineering Profession**

(Perm req)

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit*Recommended: ENES100 and MATH140.*

*Overview of salient aspects of professional practice of Aerospace Engineering. Introduction to the range of technical expertise needed to succeed in the profession and the objectives of the various parts of the Aerospace Engineering program at UMCP in supporting students' efforts in gaining the required knowledge and skills. Familiarization with departmental faculty and their areas of research, creation of links with other students, professional society student chapters, and available resources. Discussion of ethical issues, business requirements, and their interactions with technical developments.*

|      |                     |                    |
|------|---------------------|--------------------|
| 0101 | Norman Wereley      | Seats (Total: 140) |
|      | Tu 12:30pm - 1:45pm | EGR 1202           |

**ENAE202 Computing Fundamentals for Engineers**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Corequisite: Must be concurrently enrolled in MATH141. Restriction: Permission of ENGR-Aerospace Engineering department. Credit only granted for: ENAE202 or ENME202.*

*Introduction to computational tools for the solution of engineering problems. C++ & MATLAB programming including branching and loops, functions, file handling, arrays, and data structures. Students will be introduced to object-oriented programming, basic computing, algorithms, and principles of software engineering.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Johan Larsson        | Seats (Total: 42) |
|      | MW 11:00am - 11:50am | JMP 3201          |
|      | F 8:00am - 9:50am    | KEB 2111 Lab      |
| 0102 | Johan Larsson        | Seats (Total: 42) |
|      | MW 11:00am - 11:50am | JMP 3201          |
|      | Th 3:00pm - 4:50pm   | KEB 2111 Lab      |
| 0103 | Johan Larsson        | Seats (Total: 29) |
|      | MW 11:00am - 11:50am | JMP 3201          |
|      | Th 3:00pm - 4:50pm   | EGR 0312 Lab      |

**ENAE283 Introduction to Aerospace Systems**

Credits: 3                      Grading Method: Regular

*Prerequisite: PHYS161, MATH141, and ENES102. Corequisite: PHYS261 and PHYS260. Restriction: Must be in Engineering: Aerospace program. Credit only granted for: (ENAE281 and ENAE282) or ENAE283. Formerly: ENAE281 and ENAE282.*

*Introduction to airplanes and space vehicles as aerospace systems. Fundamentals that describe these systems. Elements of aerodynamics, airfoils and wings. Airplane performance, stability and control. Aircraft and rocket propulsion. Fundamentals of orbital motion. Aspects of vehicle conceptual design.*

|      |                       |                    |
|------|-----------------------|--------------------|
| 0101 | Mary Bowden           | Seats (Total: 110) |
|      | TuTh 9:30am - 10:45am | CHE 2110           |

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### **ENAE283H                      Introduction to Aerospace Systems**

(Perm req)

Credits: 3                      Grading Method: Regular

*Prerequisite: PHYS161, MATH141, and ENES102. Corequisite: PHYS261 and PHYS260. Restriction: Must be in Engineering: Aerospace program. Credit only granted for: (ENAE281 and ENAE282) or ENAE283. Formerly: ENAE281 and ENAE282.*

*Introduction to airplanes and space vehicles as aerospace systems. Fundamentals that describe these systems. Elements of aerodynamics, airfoils and wings. Airplane performance, stability and control. Aircraft and rocket propulsion. Fundamentals of orbital motion. Aspects of vehicle conceptual design.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Alison Flatau         | Seats (Total: 22) |
|      | TuTh 9:30am - 10:45am | PLS 1168          |

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### **ENAE301                      Dynamics of Aerospace Systems**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS271, MATH461, PHYS270, MATH246, ENAE283, ENAE202, ENES102, and MATH241. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.*

*Kinematics and dynamics of three dimensional motion of point masses and rigid bodies with introduction to more general systems. Primary emphasis on Newtonian methods. Practice in numerical solutions and computer animation of equations of motion using MATLAB.*

|      |                       |                                   |
|------|-----------------------|-----------------------------------|
| 0101 | Derek Paley           | Seats (Total: 29)                 |
|      | TuTh 12:30pm - 1:45pm | ESJ 2208                          |
|      | F 1:00pm - 1:50pm     | EGR 0312                      Lab |

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0102 | Derek Paley           | Seats (Total: 29) |     |
|      | TuTh 12:30pm - 1:45pm | ESJ 2208          |     |
|      | F 2:00pm - 2:50pm     | EGR 0312          | Lab |
| 0103 | Derek Paley           | Seats (Total: 33) |     |
|      | TuTh 12:30pm - 1:45pm | ESJ 2208          |     |
|      | F 3:00pm - 3:50pm     | KEB 2111          | Lab |
| 0104 | Derek Paley           | Seats (Total: 34) |     |
|      | TuTh 12:30pm - 1:45pm | ESJ 2208          |     |
|      | F 4:00pm - 4:50pm     | KEB 2111          | Lab |

### ENAE311

#### Aerodynamics I

Credits: 3      Grading Method: Regular

*Prerequisite: PHYS271, MATH461, PHYS270, MATH246, ENAE283, ENES220, ENAE202, MATH241, and ENES232. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. And junior standing or higher.*

*Fundamentals of aerodynamics. Elements of compressible flow. Normal and oblique shock waves. Flows through nozzles, diffusers and wind tunnels. Elements of the method of characteristics and finite difference solutions for compressible flows. Aspects of hypersonic flow.*

|      |                       |                    |  |
|------|-----------------------|--------------------|--|
| 0101 | Christopher Cadou     | Seats (Total: 105) |  |
|      | TuTh 9:30am - 10:45am | Location: TBA      |  |

### ENAE311H

#### Aerodynamics I

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail

*Prerequisite: PHYS271, MATH461, PHYS270, MATH246, ENAE283, ENES220, ENAE202, MATH241, and ENES232. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. And junior standing or higher.*

*Fundamentals of aerodynamics. Elements of compressible flow. Normal and oblique shock waves. Flows through nozzles, diffusers and wind tunnels. Elements of the method of characteristics and finite difference solutions for compressible flows. Aspects of hypersonic flow.*

|      |                       |                   |  |
|------|-----------------------|-------------------|--|
| 0101 | Stuart Laurence       | Seats (Total: 30) |  |
|      | TuTh 9:30am - 10:45am | ITV 1111          |  |

### ENAE362

#### Aerospace Instrumentation and Experimentation

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH246 and ENAE283. Restriction: Must be in Engineering: Aerospace program; and junior standing or higher.*

*Basic instrumentation electronics including DC electronics, AC electronics, semiconductors, electro-optics and digital electronics. Sensing devices used to carry out experiments in Aerospace Engineering includes metrology, machine tool measurements, bridge circuits, optical devices, and introduction to computer based data acquisition. Topics chosen to support measurements in aerodynamics, flight structures and flight control.*

|      |  |  |
|------|--|--|
| 0101 | Allen Winkelmann<br>MW 1:00pm - 1:50pm<br>M 2:00pm - 5:00pm  | Seats (Total: 24)<br>CHM 1402<br>EGL 0123                      Lab |
| 0102 | Allen Winkelmann<br>MW 1:00pm - 1:50pm<br>Tu 2:00pm - 5:00pm | Seats (Total: 24)<br>CHM 1402<br>EGL 0123                      Lab |
| 0103 | Allen Winkelmann<br>MW 1:00pm - 1:50pm<br>W 2:00pm - 5:00pm  | Seats (Total: 24)<br>CHM 1402<br>EGL 0123                      Lab |
| 0104 | Allen Winkelmann<br>MW 1:00pm - 1:50pm<br>Th 2:00pm - 5:00pm | Seats (Total: 24)<br>CHM 1402<br>EGL 0123                      Lab |
| 0105 | Allen Winkelmann<br>MW 1:00pm - 1:50pm<br>W 9:00am - 12:00pm | Seats (Total: 26)<br>CHM 1402<br>EGL 0123                      Lab |

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## ENAE380

### Flight Software Systems

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENAE283 and ENAE202. Restriction: Must be in Engineering: Aerospace program; and junior standing or higher.*

*Avionics using advanced sensor and computing technologies are at the heart of every modern Aerospace vehicle. Advanced software systems to improve cockpit safety and enable unmanned and deep-space missions. Object-oriented programming and software engineering concepts required to design and build complex flight software systems. Software validation, verification and real-time performance analysis to assess flight software system reliability and robustness. Human-machine interface design for piloted systems. Automatic onboard data acquisition and decision-making for unmanned air and space vehicles.*

Three hours of lecture and two hours of laboratory per week. Prerequisite: ENAE202 and ENAE283. Junior standing. For ENAE majors only.

|      |  |  |
|------|--|--|
| 0101 | Anthony Banes<br>MW 12:00pm - 12:50pm<br>F 9:00am - 10:50am  | Seats (Total: 20)<br>PHY 1201<br>EGR 0312      Lab |
| 0102 | Anthony Banes<br>MW 12:00pm - 12:50pm<br>F 11:00am - 12:50pm | Seats (Total: 20)<br>PHY 1201<br>EGR 0312      Lab |
| 0103 | Anthony Banes<br>MW 12:00pm - 12:50pm<br>F 1:00pm - 2:50pm   | Seats (Total: 20)<br>PHY 1201<br>KEB 2107      Lab |
| 0201 | Huan Xu<br>MW 12:00pm - 12:50pm<br>M 9:00am - 10:50am        | Seats (Total: 20)<br>SPH 1301<br>EGR 0312      Lab |
| 0202 | Huan Xu<br>MW 12:00pm - 12:50pm<br>Tu 2:00pm - 3:50pm        | Seats (Total: 20)<br>SPH 1301<br>EGR 0312      Lab |
| 0203 | Huan Xu<br>MW 12:00pm - 12:50pm<br>M 2:00pm - 3:50pm         | Seats (Total: 20)<br>SPH 1301<br>EGR 0312      Lab |

## ENAE398H

### Honors Research Project

(Perm req)

Credits: 1-3

Grading Method: Regular

*Planned sequence of steps in aerospace honors research in which student take three (3) consecutive semesters of this course in partial fulfillment of aerospace engineering honors program requirements. The first semester consists of a series of seminars and meetings with faculty mentors on honors research; two semesters consist of undergraduate honors research project and paper conducted under the direction of an aerospace engineering faculty member to be presented at a conference.*

Contact department for information to register for this course.

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**ENAE403      Aircraft Flight Dynamics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENAE414 and ENAE432. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.*

*Study of motion of aircraft, equations of motion, aerodynamic force representation, longitudinal and lateral motions, response to controls and to atmospheric disturbances, handling qualities criteria and other figures of merit.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Gregory Gremillion   | Seats (Total: 72) |
|      | TuTh 3:30pm - 4:45pm | ESJ 2212          |

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**ENAE423      Vibration and Aeroelasticity**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENAE324. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.*

*Dynamic response of single and multiple degrees of freedom systems, finite element modeling, wing divergence, aileron reversal, wing and panel flutter.*

|      |                         |                    |
|------|-------------------------|--------------------|
| 0101 | Andrew Becnel, Sung Lee | Seats (Total: 100) |
|      | MWF 11:00am - 11:50am   | CHE 2110           |

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**ENAE423H      Vibration and Aeroelasticity**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENAE324. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.*

*Dynamic response of single and multiple degrees of freedom systems, finite element modeling, wing divergence, aileron reversal, wing and panel flutter.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Norman Wereley        | Seats (Total: 24) |
|      | MWF 11:00am - 11:50am | PLS 1146          |

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**ENAE441      Space Navigation and Guidance**



Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENAE404 and ENAE432. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.*

*Principles of navigation. Celestial, radio, and inertial navigation schemes. Navigational and guidance requirements for orbital, planetary, and atmospheric entry missions. Fundamentals of communications and information theory. Link budgets, antennas and telemetry systems.*

|      |                                   |                   |
|------|-----------------------------------|-------------------|
| 0101 | Andrew Becnel, Christine Hartzell | Seats (Total: 49) |
|      | TuTh 9:30am - 10:45am             | CHE 2118          |

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### **ENAE455                      Aircraft Propulsion and Power**

Credits: 3                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: ENES232, ENAE414, and ENAE311. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.*

*Thermodynamic cycle analysis, aerothermochemistry of fuels and propellants, operating principles of piston, turbojet, fanjet, and other variations of airbreathing aircraft power units.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Kenneth Yu            | Seats (Total: 72) |
|      | TuTh 12:30pm - 1:45pm | PLS 1140          |

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### **ENAE457                      Space Propulsion and Power**

Credits: 3                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: PHYS271, ENES232, PHYS270, and ENAE311. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. And senior standing.*

*Thermodynamic cycle analysis, aerothermochemistry of fuels and propellants, operating principles of rocket, ion, and other exoatmospheric power units.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Raymond Sedwick      | Seats (Total: 51) |
|      | TuTh 2:00pm - 3:15pm | PHY 4221          |

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### **ENAE481                      Principles of Aircraft Design**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENAE324, ENAE362, and ENAE432. Corequisite: ENAE414. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.*

*Aircraft design principles blending both synthesis and analysis. The iterative nature of the design process. Applied aerodynamics. Elements of aircraft performance calculation and optimization. Design of aircraft including payload, crew and avionics provisions, propulsion selection and sizing, aerodynamic configuration optimization, mass properties, stability and control characteristics, and vehicle subsystems. Individual student projects in aircraft design.*

This course is restricted to students in the AHS Helicopter Design Competition and requires permission of the department to enroll.

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Dominic Palumbo<br>MWF 2:00pm - 2:50pm  | Seats (Total: 57)<br>PHY 1201 |
| 0201 | Sung Lee<br>TuTh 2:00pm - 3:15pm<br><br><i>This course is restricted to students on the Design, Build, Fly team and requires permission from the department to enroll.</i>            | Seats (Total: 14)<br>CHM 0119 |
| 0301 | James Baeder<br>MWF 2:00pm - 2:50pm<br><br><i>This course is restricted to students in the AHS Helicopter Design Competition and requires permission of the department to enroll.</i> | Seats (Total: 10)<br>EGR 1110 |

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## **ENAE483 Principles of Space Systems Design**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENAE404, ENAE324, ENAE362, and ENAE432. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.*

*Principles of space systems analysis and vehicle design. Launch vehicle performance analysis and optimization. Design of vehicle systems including avionics, power, propulsion, life support, human factors, structures, actuator and mechanisms, and thermal control. Design processes and design synthesis. Individual student projects in vehicle design.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Andrew Becnel, David Akin<br>TuTh 11:00am - 12:15pm | Seats (Total: 50)<br>JMP 2121 |
|------|---|-------------------------------|

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## **ENAE488R Topics in Aerospace Engineering; Planetary Rover Development**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Technical elective taken with the permission of the student's advisor and instructor. Lecture and conference courses designed to extend the student's understanding of aerospace engineering. Current topics are emphasized.*

Class will meet in the Neutral Buoyancy Research Facility, Room 2100C.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | David Akin         | Seats (Total: 20) |
|      | MW 5:00pm - 7:00pm | NBRF 2100C        |

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**ENAE499 Elective Research**

(Perm req)

Credits: 3      Grading Method: Regular

*Undergraduate research project and paper conducted under the direction of an aerospace engineering faculty member to be presented at a conference or competition.*

**Contact department for information to register for this course.**

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**ENAE601 Astrodynamics**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ENAE404 and ENAE441.*

*Mathematics and applications of orbit theory, building upon the foundations developed in ENAE 404 and ENAE 441. Topics include two body orbits, solutions of Kepler's equation, the two-point boundary value problem, rendezvous techniques, and Encke's method.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Christine Hartzell | Seats (Total: 25) |
|      | MW 2:00pm - 3:15pm | MTH 1313          |

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**ENAE603 Near-Earth Object Exploration**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ENAE601. Restriction: Must be in one of the following programs (ENGR: MS/PhD-Aerospace Engineering (Master's); ENGR: MS/PhD-Aerospace Engineering (Doctoral)). Credit only granted for: ENAE788N or ENAE603. Formerly: ENAE788N.*

*An overview of the near-Earth objects (NEOs) of our solar system--the asteroids and comets whose orbits closely approach Earth's orbit--and what we know about them, what we're learning about them, and how to design spacecraft missions to interact with them.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Brent Barbee         | Seats (Total: 15) |
|      | TuTh 5:00pm - 6:15pm | EGR 3111          |

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**ENAE631 Helicopter Aerodynamics I**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: ENAE414 and ENAE311. Or permission of ENGR-Aerospace Engineering department; and permission of instructor.*

*A history of rotary-wing aircraft, introduction to hovering theory, hovering and axial flight performance, factors affecting hovering and vertical flight performance, autorotation in vertical descent, concepts of blade motion and control, aerodynamics of forward flight, forward flight performance, operational envelope, and introduction to rotor acoustics.*

Those sections that begin with a letter are taught via ITV and are not intended for College Park campus students.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Bharath Govindarajan | Seats (Total: 20) |
|      | MW 9:30am - 10:45am  | CHM 0127          |

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**ENAE641 Linear System Dynamics**

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: ENAE432.*

*Linear systems; state space, multi-input, multi-output models; eigenstructure; controllability, observability, singular value analysis; multivariable Nyquist condition; observer design; introduction to Kalman filtering. Full state feedback techniques including pole placement and LQR/LQG techniques; introduction to loop shaping and robustness.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Robert Sanner         | Seats (Total: 25) |
|      | TuTh 12:30pm - 1:45pm | PLS 1146          |

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**ENAE651 Smart Structures**

Credits: 3

Grading Method: Regular,  
Audit

*Topics related to the analysis, design, and implementation of smart structures and systems: modeling of beams and plates with induced strain actuation; shape memory alloys; electro-rheological fluids; magnetostrictor and electrostrictor actuators and fiber optic sensors.*

Those sections that begin with a letter are taught via ITV and are not intended for College Park campus students.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Inderjit Chopra       | Seats (Total: 20) |
|      | TuTh 9:30am - 10:45am | JMP 2216          |
| SM01 | Inderjit Chopra       | Seats (Total: 10) |
|      | TuTh 9:30am - 10:45am | Location: TBA     |
| TV01 | Inderjit Chopra       | Seats (Total: 10) |
|      | TuTh 9:30am - 10:45am | Location: TBA     |

## ENAE655

### Structural Dynamics

Credits: 3      Grading Method: Regular,  
Audit

*Advanced principles of dynamics necessary for structural analysis; solutions of eigenvalue problems for discrete and continuous elastic systems, solutions to forced response boundary value problems by direct, modal, and transform methods.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Olivier Bauchau      | Seats (Total: 25) |
|      | MW 11:00am - 12:15pm | JMP 2217          |
| HT01 | Olivier Bauchau      | Seats (Total: 5)  |
|      | MW 11:00am - 12:15pm | Location: TBA     |
| SG01 | Olivier Bauchau      | Seats (Total: 5)  |
|      | MW 11:00am - 12:15pm | Location: TBA     |
| SM01 | Olivier Bauchau      | Seats (Total: 5)  |
|      | MW 11:00am - 12:15pm | Location: TBA     |
| TV01 | Olivier Bauchau      | Seats (Total: 15) |
|      | MW 11:00am - 12:15pm | Location: TBA     |

## ENAE673

### Aerodynamics of Incompressible Fluids

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Undergraduate courses in differential equations, incompressible, and compressible flow (ENAE 311 and ENAE 414 or ENME 331 or ENME 640 or equivalent). Restriction: Must be in ENGR: MS/PhD-Aerospace Engineering (Master's) program.*

*Topics include: conservation equations, complex potential flow, the Navier-Stokes equations, boundary layers and similarity solutions, solutions to classical problems, and application to wing theory.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Pino Martin           | Seats (Total: 20) |
|      | TuTh 9:30am - 10:45am | ITV 1100          |

## ENAE684 Computational Fluid Dynamics I

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Permission of ENGR-Aerospace Engineering department.*

*Partial differential equations applied to flow modelling, fundamental numerical techniques for the solution of these equations, elliptic, parabolic, and hyperbolic equations, elements of finite difference solutions, explicit and implicit techniques. Applications to fundamental flow problems.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | James Baeder           | Seats (Total: 35) |
|      | TuTh 11:00am - 12:15pm | JMP 2222          |
| HT01 | James Baeder           | Seats (Total: 5)  |
|      | TuTh 11:00am - 12:15pm | Location: TBA     |
| SG01 | James Baeder           | Seats (Total: 5)  |
|      | TuTh 11:00am - 12:15pm | Location: TBA     |
| SM01 | James Baeder           | Seats (Total: 5)  |
|      | TuTh 11:00am - 12:15pm | Location: TBA     |
| TV01 | James Baeder           | Seats (Total: 5)  |
|      | TuTh 11:00am - 12:15pm | Location: TBA     |

## ENAE692 Introduction to Space Robotics

Credits: 3      Grading Method: Regular,  
Audit

*Analysis techniques for manipulator kinematics and dynamics. DH parameters, serial and parallel manipulators, approaches to redundancy. Applications of robots to space operations, including manipulators on free-flying bases, satellite servicing, and planetary surface mobility. Sensors, actuators, and mechanism design. Command and control with humans in the loop.*

|      |                    |                          |
|------|--------------------|--------------------------|
| 0101 | Craig Carignan     | Seats (Total: 25)        |
|      | MW 5:00pm - 6:15pm | PLS 1146                 |
|      | M 4:00pm - 4:50pm  | PLS 1146      Discussion |
|      | W 4:00pm - 4:50pm  | HBK 1108      Discussion |

## Selected Topics in Aerospace Engineering; Fundamentals of Explosions I

Grading Method: Regular, Audit

|      |                                   |                                   |
|------|-----------------------------------|-----------------------------------|
| 0101 | Elaine Oran<br>MW 2:00pm - 3:15pm | Seats (Total: 15)<br>JMP 2120     |
| HT01 | Elaine Oran<br>MW 2:00pm - 3:15pm | Seats (Total: 5)<br>Location: TBA |
| SG01 | Elaine Oran<br>MW 2:00pm - 3:15pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | Elaine Oran<br>MW 2:00pm - 3:15pm | Seats (Total: 5)<br>Location: TBA |
| TV01 | Elaine Oran<br>MW 2:00pm - 3:15pm | Seats (Total: 5)<br>Location: TBA |

## Selected Topics in Aerospace Engineering; Advanced Space Systems Design

Grading Method: Regular,  
Audit

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | David Akin             | Seats (Total: 15) |
|      | TuTh 11:00am - 12:15pm | JMP 2121          |
| HT01 | David Akin             | Seats (Total: 5)  |
|      | TuTh 11:00am - 12:15pm | Location: TBA     |
| SG01 | David Akin             | Seats (Total: 5)  |
|      | TuTh 11:00am - 12:15pm | Location: TBA     |
| SM01 | David Akin             | Seats (Total: 5)  |
|      | TuTh 11:00am - 12:15pm | Location: TBA     |
| TV01 | David Akin             | Seats (Total: 5)  |
|      | TuTh 11:00am - 12:15pm | Location: TBA     |

## Selected Topics in Aerospace Engineering; Estimation and Control of Stochastic Systems

Grading Method: Regular,  
Audit





Also offered as ENME808Z. Credit only granted for ENAE788P or ENME808Z. Review of basic concepts of linear elasticity and beam theory. Yield criteria. Introduction to thermoelasticity. Variational calculus and variational principles in elasticity. Principle of virtual work, principle of complimentary virtual work, principle of minimum potential energy, principle of minimum complimentary potential energy. Applications to beams and plates; strategies for obtaining approximate solutions. Buckling and shear deformations in beams and plates.

|      |                    |                   |
|------|--------------------|-------------------|
| 0201 | Olivier Bauchau    | Seats (Total: 15) |
|      | MW 2:00pm - 3:15pm | ANS 0412          |

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## **ENAE788R      Selected Topics in Aerospace Engineering; Helicopter Dynamics II**

Credits: 3                      Grading Method: Regular,  
Audit

Restricted to ENAE graduate students. Prerequisite: ENAE633. Advanced dynamics, aerodynamics and aeromechanics of rotorcraft. Contents will cover composite rotors, active controls, unsteady aerodynamics, dynamic stall, tilt rotor air resonance and whirl flutter, high fidelity CFD/CSD simulations and wind tunnel testing of scaled models.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Anubhav Datta        | Seats (Total: 10) |
|      | MW 11:00am - 12:15pm | JMP 2222          |
| TV01 | Anubhav Datta        | Seats (Total: 5)  |
|      | MW 11:00am - 12:15pm | Location: TBA     |

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## **ENAE799      Master's Thesis Research**

Credits: 1-6                      Grading Method: Regular  
**Contact department for information to register for this course.**

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## **ENAE898      Pre-Candidacy Research**

Credits: 1-8                      Grading Method: Regular  
**Contact department for information to register for this course.**

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## **ENAE899      Doctoral Dissertation Research**

(Perm req)                      Credits: 6                      Grading Method: Regular  
**Contact department for information to register for this course.**

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# **ENCE      Engineering, Civil      Fall 2017**

**ENCE100      Introduction to Civil and Environmental Engineering**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*An overview of the department of Civil and Environment Engineering. Students are introduced to the undergraduate curriculum and will be exposed to other undergraduate and graduate students at various points in their program. The course blends panel presentations by seniors and graduate students, faculty and practitioners with a project and book review to be performed by the students.*

|      |                   |                    |
|------|-------------------|--------------------|
| 0101 | Kaye Brubaker     | Seats (Total: 132) |
|      | F 1:00pm - 1:50pm | EGR 1202           |

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**ENCE200                      Civil Engineering Computation**

(Perm req)                      Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENES100, MATH141, and ENES102; and permission of ENGR-Civil & Environmental Engineering department. Credit only granted for: ENCE200 or ENCE202. Formerly: ENCE202.*

*Development of knowledge and skills in managing, analyzing, interpreting, and communicating spatial information. Computer Aided Drawing (CAD) and Geographic Information Systems (GIS) are introduced in the context of civil and environmental engineering applications.*

|      |                         |                   |
|------|-------------------------|-------------------|
| 0101 | Jianguo Ma, Frank White | Seats (Total: 38) |
|      | MW 2:00pm - 3:15pm      | EGR 1156          |
| 0201 | Frank White, Jianguo Ma | Seats (Total: 38) |
|      | MW 3:30pm - 4:45pm      | EGR 1156          |

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**ENCE201                      Engineering Information Processing**

(Perm req)                      Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENES220 and MATH241; and permission of ENGR-Civil & Environmental Engineering department. Corequisite: MATH246. Credit only granted for: ENCE201 or ENCE203.*

*Exploration of algorithms for solving problems in several important areas of numerical computing: roots of equations; matrix algebra and the systems of linear equations; function approximation, numerical differentiation and integration; and ordinary differential equations. Issues of solution accuracy, robustness, and efficiency are also considered. Numerical techniques are presented in the context of engineering applications, and example problems are solved using a variety of computer-based tools (primarily MATLAB).*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Peter Chang         | Seats (Total: 70) |
|      | MWF 2:00pm - 2:50pm | EGR 0108          |

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**ENCE215      Engineering for Sustainability**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit*Prerequisite: CHEM135; and permission of ENGR-Civil & Environmental Engineering department.*

*Engineers have a key role to play in planning, designing, building, and ensuring a sustainable future. In this class, a problem-based approach is used to examine fundamentally-based analyses and approaches for engineering as sustainable society, with a focus on sustainable use of energy and materials, sustainable infrastructure solutions, atmospheric sustainability and sustainable water supply, and human population growth and resource consumption and its implications for sustainability.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Natasha Andrade<br>TuTh 8:00am - 9:15am | Seats (Total: 24)<br>EGR 3102 |
| 0201 | Natasha Andrade<br>TuTh 2:00pm - 3:15pm | Seats (Total: 24)<br>PLS 1146 |
| 0301 | Natasha Andrade<br>TuTh 3:30pm - 4:45pm | Seats (Total: 24)<br>EGR 1102 |

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**ENCE300      Fundamentals of Engineering Materials**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit*Prerequisite: ENES220; and permission of ENGR-Civil & Environmental Engineering department.*

*Behavior, physical, mechanical and chemical properties, design and performance of civil engineering materials, including aggregates, cement, concrete, asphalt binders and mixtures, plastics and geosynthetics, timber, metals and alloys. Modified and advanced highway materials (polymer and rubber modified mixtures, high performance concrete, composites, smart materials). Laboratory testing with hands-on experience on aggregates, Portland cement concrete, asphalt mixtures, timber and metals as per SUPERAVE, ACI design methods, and ASTM standards and specifications.*

Restricted to students in the College of Engineering.

|      |  |  |
|------|--|--|
| 0101 | Dimitrios Goulias<br>Tu 12:30pm - 2:30pm<br>Th 10:30am - 12:30pm | Seats (Total: 18)<br>ESJ 1215<br>EGL 0147                      Lab |
| 0102 | Dimitrios Goulias<br>Tu 12:30pm - 2:30pm<br>Th 12:30pm - 2:30pm  | Seats (Total: 18)<br>ESJ 1215<br>EGL 0147                      Lab |

|      |                     |                   |
|------|---------------------|-------------------|
| 0103 | Dimitrios Goulas    | Seats (Total: 18) |
|      | Tu 12:30pm - 2:30pm | ESJ 1215          |
|      | Th 2:30pm - 4:30pm  | EGL 0147 Lab      |
| 0104 | Dimitrios Goulas    | Seats (Total: 18) |
|      | Tu 12:30pm - 2:30pm | ESJ 1215          |
|      | Th 4:30pm - 6:30pm  | EGL 0147 Lab      |

## ENCE302

### Probability and Statistics for Civil and Environmental Engineers

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: MATH246 and ENCE201; and permission of ENGR-Civil & Environmental Engineering department.*

*Statistics is the science of data. Civil Engineers must often make decisions based on incomplete, variable or uncertain information. In addition, modern methods of design and analysis need to account for variability in natural, engineered and human systems. After successful completion of this class, a student should have facility and familiarity with established basic techniques for managing data, modeling variability and uncertainty, communicating about data and decisions, and supporting or defending a decision or judgment based on uncertain or incomplete data.*

Restricted to students in the College of Engineering.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Bilal Ayyub         | Seats (Total: 55) |
|      | MWF 2:00pm - 2:50pm | PHY 1204          |
| 0201 | Michelle Bensi      | Seats (Total: 32) |
|      | MWF 2:00pm - 2:50pm | CSI 2118          |

## ENCE305

### Fundamentals of Engineering Fluids

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENES220, PHYS260, and PHYS261; and permission of ENGR-Civil & Environmental Engineering department. Credit only granted for: ENCE305 or ENCE330. Formerly: ENCE330.*

*The theoretical bases for fluid statics and dynamics, including the conservation of mass, energy and momentum. Modeling of hydraulic systems are introduced. Emphasis on pipe flow and open-channel hydraulics, with real-world applications.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Kaye Brubaker       | Seats (Total: 40) |
|      | MWF 8:00am - 8:50am | EGR 0135          |

|      |                       |                   |
|------|-----------------------|-------------------|
| 0102 | Richard McCuen        | Seats (Total: 43) |
|      | MWF 10:00am - 10:50am | EGR 1104          |

### **ENCE310 Introduction to Environmental Engineering**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS260 and ENCE215; and permission of ENGR-Civil & Environmental Engineering department.*

*Introduction to the physical, chemical and biological systems relating to the quality of water, land and air environments. Fundamental principles will be emphasized, current environmental pollution problems will be examined and methods of pollution abatement discussed.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Guido Yactayo        | Seats (Total: 66) |
|      | TuTh 8:00am - 9:15am | EGR 0108          |

### **ENCE320 Introduction to Project Management**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering or in the Project Management Minor. Credit only granted for: ENCE320 or ENCE325.*

*Learn the fundamentals of project management and the analytical skills for the management side of engineering projects. Topics include economic analysis, project screening and selection, organizational and project structure, scheduling, budgeting, resource management, life cycle costing, and project control.*

Restricted to students in the College of Engineering.

|      |                    |                    |
|------|--------------------|--------------------|
| 0101 | Gregory Baecher    | Seats (Total: 150) |
|      | Th 5:00pm - 7:30pm | ESJ 1224           |

### **ENCE325 Introduction to Construction Project Management**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; or must be in a major in ARCH-School of Architecture, Planning, & Preservation; or must be in the Construction Project Management minor. And permission of ENGR-Civil & Environmental Engineering department. Credit only granted for: ENCE 320 or ENCE 325.*

*Learn the basic topics in sourcing, planning, financing, designing, contracting, constructing and operating buildings and other facilities in the built infrastructure. Topics include construction economics, design constructability reviews, construction process planning, contracts and procurement strategies, project scheduling and resource utilization, site layout planning, project cost and quality controls, temporary structures, environmental sustainability, project handover procedures, facility operation and management, IT-based tools for construction project and resource management.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Stephen Wooldridge | Seats (Total: 50) |
|      | Th 5:00pm - 7:30pm | EGR 1108          |

### **ENCE340 Fundamentals of Geotechnical Engineering**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENES220; and permission of ENGR-Civil & Environmental Engineering department.*

*Introductory study of soils in civil engineering. Soil origin, phase relationships and classification schemes. Soil hydraulics: capillary, effective stress, permeability and seepage considerations. Basic stress distribution theories and soil consolidation-settlement analysis. Integration of shear strength evaluation with slope stability analysis. If time permits, topics such as applications in geoenvironmental engineering will be covered.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Ahmet Aydilek         | Seats (Total: 57) |
|      | TuTh 9:30am - 10:45am | MCB 1207          |

### **ENCE353 Introduction to Structural Analysis**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Permission of ENGR-Civil & Environmental Engineering department; and (MATH246 and ENES220).*

*The basic tools of structural analysis and design. Design loads. Equilibrium of external and internal forces. Shear and moment diagrams in beams and frames. Truss analysis. Influence line diagrams. The slope-deflection method and method of consistent deformation. Matrix stiffness methods for beams, frames and trusses.*

Restricted to students in the College of Engineering.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Mark Austin         | Seats (Total: 60) |
|      | MWF 9:00am - 9:50am | EGR 0108          |

### **ENCE360 Analysis of Civil Engineering Systems**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENCE201 and MATH140; and permission of ENGR-Civil & Environmental Engineering department.*

*Introduction to systems approach and systems analysis in civil and environmental engineering. Introduction to systems analysis tools that facilitate engineering management decision making including optimization and computer simulation. Introduction to linear and nonlinear mathematical optimization including linear and integer programming, elementary nonlinear programming and dynamic programming.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Ali Haghani            | Seats (Total: 36) |
|      | TuTh 9:30am - 10:45am  | EGR 1156          |
| 0102 | Ali Haghani            | Seats (Total: 36) |
|      | TuTh 11:00am - 12:15pm | EGR 1156          |

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### ENCE370

#### Introduction to Transportation Engineering and Planning

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENCE201, PHYS260, and PHYS261; and permission of ENGR-Civil & Environmental Engineering department.*

*Engineering problems of transportation by highways, airways, pipelines, waterways, and railways. Transportation modes and technologies, vehicle dynamics, basic facility design, traffic stream models, capacity analysis, transportation planning, evaluation and choice, and network analysis.*

Restricted to students in the College of Engineering.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Cinzia Cirillo      | Seats (Total: 60) |
|      | MWF 1:00pm - 1:50pm | PHY 1201          |

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### ENCE411

#### Environmental Engineering Science

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENCE310; and permission of ENGR-Civil & Environmental Engineering department.*

*Introduces the analytical techniques available to assess performance of engineering processes as they relate to water, soil, and air treatment and quality. The basic principles of environmental management, economics of waste treatment, by-product reutilization, and energy cycles are introduced and discussed. Alternative technologies are introduced and evaluated mostly by assessing their potential to reduce waste, minimize energy use, and promote sustainability. Students' activities include, a weekly lab to provide hands-on experience with environmental quality measurements and treatment techniques; on-site visits to regional industries that undertake sustainable practices; and a final research project where experimental design and laboratory techniques are used to assess interactions between technologies and natural systems and their potential for reducing environmental impacts.*

|      |                        |                        |
|------|------------------------|------------------------|
| 0101 | Alba Torrents          | Seats (Total: 12)      |
|      | TuTh 11:00am - 11:50am | EGR 0135               |
|      | W 10:00am - 1:00pm     | Location: TBA      Lab |
| 0102 | Alba Torrents          | Seats (Total: 12)      |
|      | TuTh 11:00am - 11:50am | EGR 0135               |
|      | W 2:00pm - 5:00pm      | Location: TBA      Lab |

## ENCE420

(Perm req)

### Selection and Utilization of Construction Equipment

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; or must be in the Construction Project Management minor.*

*Learn to evaluate and select construction equipment with a focus on mechanized equipment for earthwork and building construction. Learn about the parties involved in procurement, operation and maintenance, and how to cost-effectively plan, select, and utilize equipment for earthmoving, paving, formwork, trenching, rock excavation, tunneling, site preparation, and steel and concrete construction. Explore trends in equipment design, construction automation, and robotics.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Mirosław Skibniewski | Seats (Total: 25) |
|      | M 3:30pm - 6:00pm    | EGR 2154          |

## ENCE422

(Perm req)

### Project Cost Accounting and Economics

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; or must be in the Construction Project Management Minor; or must be in the Project Management Minor.*



*Learn: the fundamentals of accounting; project cost accounting principles as they apply to project management; project cost accounting; and the fundamentals of engineering economics. Topics include: project feasibility analysis; reading and analyzing financial statements; cash management; cash flow analysis; depreciation and taxes; and impact on profitability; the principles of activity based costing; net present value analysis; the framework for project performance measurement, cost performance indices, and earned value analysis.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Qingbin Cui       | Seats (Total: 60) |
|      | M 5:00pm - 7:30pm | CHM 2201          |

## **ENCE423 Project Planning, Estimating & Scheduling**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; or must be in the Construction Project Management Minor; or must be in the Project Management Minor. And permission of ENGR-Civil & Environmental Engineering department.*

*Learn the fundamentals of project planning, estimating, and scheduling. Understand the concepts of planning; to reduce uncertainty, improve efficiency of the operation, to set and meet objectives, and to provide a basis for monitoring and controlling the work. Be introduced to: the concepts of resource definition, assignment and management, and; the basics of project estimating (pricing) methods including global pricing strategies, types of estimates, pricing processes, overhead and profit, and project financing. Learn the basics of project scheduling including; bar charts, network-based methodologies, and linear scheduling techniques. Emphasis is placed on Critical Path Method (CPM) scheduling, a network based methodology. Be exposed to the use of scheduling software and will actually develop a CPM schedule for an actual construction project as part of a semester project.*

Restricted to students in the College of Engineering.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Kenneth O'Connell  | Seats (Total: 75) |
|      | Tu 5:00pm - 7:30pm | PLS 1140          |

## **ENCE424 Communication for Project Managers**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; or must be in the Construction Project Management Minor; or must be in the Project Management Minor.*

*Learn the fundamentals of communications for project managers. Emphasis is on interpersonal and group communications; through voice, electronic, and written messages; project cycle and reports and presentations during this cycle; and communications for employment.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | William Brantley   | Seats (Total: 75) |
|      | Tu 5:00pm - 7:30pm | ESJ 0215          |

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**ENCE426 Construction Documentation and BIM Applications in Engineering and Construction**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; or must be in the Construction Project Management Minor; or must be in the Project Management Minor.*

*Learn the basics of construction documentation methods, with particular emphasis on Building Information Modeling (BIM). Topics include: the fundamentals of assembly, coordination, and maintenance of construction documents and implementation of BIM techniques in the design and construction processes, and; a review of Autodesk, Revit, and Navisworks and other leading BIM software. Lectures from project management faculty supplemented by guest lecturers from the construction industry.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Jason Dreher      | Seats (Total: 40) |
|      | W 5:00pm - 7:30pm | CSI 3117          |

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**ENCE432 Ground Water Hydrology**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENCE305; and permission of ENGR-Civil & Environmental Engineering department.*

*Concepts related to the development of the ground water resources, hydrology, hydrodynamics of flow through porous media, hydraulics of wells and basin-wide ground water development. Fundamentals of ground water pollution are introduced.*

Restricted to students in the College of Engineering.

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|------|---------------------|-------------------|
| 0101 | Kaye Brubaker       | Seats (Total: 42) |
|      | MWF 9:00am - 9:50am | EGR 0135          |

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**ENCE441 Foundation Design**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENCE340; and permission of ENGR-Civil & Environmental Engineering department.*

*Critical review of classical lateral earth pressure theories, analysis of retaining walls and reinforced earth walls, subsurface explorations, bearing capacity and settlement of shallow foundations, design of deep foundations that includes both pile foundations and drilled shafts.*

Restricted to students in the College of Engineering.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Mohamed Aggour         | Seats (Total: 70) |
|      | TuTh 11:00am - 12:15pm | CSI 3117          |

#### **ENCE444 Experimental Methods in Geotechnical Structural Engineering**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENCE353 and ENCE340; and permission of ENGR-Civil & Environmental Engineering department.*

*In the geotechnical engineering part of the course, major soils testing and their interpretation including classification, compaction, strength, and compressibility will be undertaken. The structural engineering part of this course covers test planning, loading apparatus, instrumentation, data acquisition and data analysis, as well as basic aspects of structural testing techniques and shake-table test.*

|      |                              |                    |
|------|------------------------------|--------------------|
| 0101 | Ahmet Aydilek, Yunfeng Zhang | Seats (Total: 20)  |
|      | Tu 12:30pm - 1:30pm          | PLS 1158           |
|      | W 1:00pm - 4:00pm            | EGL 0110E      Lab |
| 0201 | Yunfeng Zhang, Ahmet Aydilek | Seats (Total: 15)  |
|      | Tu 12:30pm - 1:30pm          | EGR 3111           |
|      | W 1:00pm - 4:00pm            | PLS 1111      Lab  |

#### **ENCE454 Design of Concrete Structures**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENCE353; and permission of ENGR-Civil & Environmental Engineering department. Formerly: ENCE451.*

*Combined bending and compression, development and anchorage of reinforcement, deflections, design of slabs including one-way and two-way, design of footings, retaining walls, introduction to prestressed concrete, design of multi-story buildings.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Amde Amde             | Seats (Total: 45) |
|      | MWF 11:00am - 11:50am | CHE 2118          |

|      |                       |                   |
|------|-----------------------|-------------------|
| 0201 | Amde Amde             | Seats (Total: 35) |
|      | MWF 10:00am - 10:50am | CHE 2118          |

## ENCE466 Design of Civil Engineering Systems

(Perm req)

Credits: 3      Grading Method: Regular, Audit      CORE: CS

*Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Senior standing. Additional information: Must be taken in the semester in which the student graduates.*

*A major civil engineering design experience that emphasizes development of student creativity, development and use of design methodologies, evaluation of alternate solutions, feasibility considerations, and detailed system descriptions. Realistic design constraints including economic factors, safety, aesthetics, and reliability will be imposed. Students will work in design project groups and be required to exercise oral and written communication skills.*

Restricted to students in the College of Engineering.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Russell Anderson   | Seats (Total: 40) |
|      | Tu 3:30pm - 4:45pm | JMP 3201          |
|      | Th 3:30pm - 4:45pm | EGR 1156      Lab |
| 0102 | Russell Anderson   | Seats (Total: 40) |
|      | Tu 3:30pm - 4:45pm | JMP 3201          |
|      | Th 2:00pm - 3:15pm | EGR 1156      Lab |

## ENCE470 Highway Engineering

(Perm req)

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Prerequisite: ENCE302 and ENCE370; and permission of ENGR-Civil & Environmental Engineering department.*

*Highway location and design, highway engineering economics, traffic engineering, traffic measurement devices and technologies. Includes discussion of technological advances in traffic flow and capacity, such as signal systems, corridor control, automatic driver information, incident detection and autonomous vehicle operation.*

Restricted to students in the College of Engineering.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | ShiaauLir Wang        | Seats (Total: 40) |
|      | MWF 10:00am - 10:50am | CHM 0119          |

**ENCE489 Special Problems in Civil Engineering**

Credits: 1-4      Grading Method: Regular,  
Pass-Fail, Audit

*A course arranged to meet the needs of exceptionally well prepared students for study in a particular field of civil engineering.*

**Contact department for information to register for this course.**

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**ENCE489G Special Problems in Civil Engineering; Remote Sensing of Global Water**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*A course arranged to meet the needs of exceptionally well prepared students for study in a particular field of civil engineering.*

Prerequisite: MATH241; ENCE201; and ENCE305. Introduction to basic concepts of remote sensing in water resource management. Discussion of measurements related to hydrologically- relevant variables such as soil moisture, snow, groundwater, precipitation, and river discharge. Application of remote sensing datasets in the characterization and quantification of available freshwater resources.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Barton Forman        | Seats (Total: 20) |
|      | TuTh 4:00pm - 5:15pm | EGR 0135          |

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**ENCE602 Project Procurement Management**

Credits: 3      Grading Method: Regular,  
Audit

*Fundamental concepts and techniques for project acquisition and procurement are presented. Students are introduced to the PMBOK Guide six-step procurement process and expected to develop an in-depth understanding of project evaluation, planning, financing, contracting, negotiation, and procurement execution. It will also cover emerging methods, principles, and practices in infrastructure project procurement, including Public-Private Partnerships, Carbon project procurement, and Clean Development Mechanism.*

|      |   |                   |
|------|---|-------------------|
| PM01 | Qingbin Cui   | Seats (Total: 25) |
|      | Class time/details on ELMs                          | ONLINE            |
|      | <i>Weekly video conference: Monday 730pm-830pm.</i> |                   |

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**ENCE610 Fundamentals of Structural Analysis**

Credits: 3      Grading Method: Regular,  
Audit

*Cartesian tensor notation. Linear forms of the general equilibrium, compatability, and constitutive equations. The calculus of variations. The principles of virtual work and complementary virtual work. Self-adjoint problem formulations.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Peter Chang          | Seats (Total: 25) |
|      | TuTh 3:30pm - 4:45pm | CHE 2145          |

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## **ENCE611      Finite Element Methods**

Credits: 3                      Grading Method: Regular,  
   Audit

*Formerly: ENCE661.*

*Basic principles and fundamental concepts of the finite element method. Consideration of geometric and material nonlinearities, convergence, mesh gradation and computational procedures in analysis. Applications to plane stress and plane strain, plates and shells, eigenvalue problems, axisymmetric stress analysis, and other problems in civil engineering.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Brian Phillips     | Seats (Total: 25) |
|      | MW 3:30pm - 4:45pm | EGR 3114          |

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## **ENCE613      Structural Dynamics**

Credits: 3                      Grading Method: Regular,  
   Audit

*Formerly: ENCE653.*

*Analysis of the dynamic response of structures and structural component subjected to impact load, transient load, and ground excitations; study of single degree-of-freedom and multi degree-of-freedom systems in classical closed form solution and approximate numerical solution; solution in the frequency domain and the use of finite element method.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Yunfeng Zhang     | Seats (Total: 25) |
|      | W 5:00pm - 7:30pm | EGR 3114          |

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## **ENCE620      Risk Analysis for Engineering**

Credits: 3                      Grading Method: Regular,  
   Audit

*Sources of hazards, definition of risk, system analysis, functional modeling and analysis techniques, probabilistic risk assessment procedure, risk methods, risk acceptance, assessment of failure likelihood, consequence assessment, risk benefit assessment, uncertainty surces and types, modeling uncertainty, risk analysis and decision making under uncertainty, collection of data, expert-opinion elicitation, human-machine interface and human factors engineering.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Bilal Ayyub       | Seats (Total: 20) |
|      | M 5:00pm - 7:30pm | EGR 1110          |

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## **ENCE627      Project Risk Management**

Credits: 3                      Grading Method: Regular

*Restriction: Must not have completed ENCE627.*

*Introduction to identifying, analyzing, assessing, and managing risks inherent to engineering projects. Includes: probability modeling, choice and value theory, schedule and cost risk, risk mitigation and transfer, and contract considerations of project risk. Examples are drawn from construction, software development, systems integration, and other large engineering projects; and cover probability basics, subjective probability, statistical data analysis, introduction to decision theory, Monte Carlo simulation, value of information, and risk-based decision making.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Gregory Baecher   | Seats (Total: 40) |
|      | F 8:00am - 10:40am  | JMP 2222          |
| PM01 | Gregory Baecher   | Seats (Total: 30) |
|      | Class time/details on ELMs                                    | ONLINE            |
|      | <i>Weekly video conferences Thursday 7am-8am and 7pm-8pm.</i> |                   |

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## **ENCE630      Environmental and Water Resource Systems I**

Credits: 3                      Grading Method: Regular,  
Audit

*Application of statistical and systems engineering techniques in the analysis of information necessary for the design or characterization of environmental or hydrologic processes; emphasis on the fundamental considerations that control the design of information collection programs, data interpretation, and the evolution of simulation models used to support the decision-making process.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Richard McCuen        | Seats (Total: 14) |
|      | TuTh 9:30am - 10:45am | EGR 1110          |

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## **ENCE650      Process Dynamics in Environmental Systems**

*An examination of microbiological principles directly affecting humans and the surrounding environment. Special emphasis is given to the understanding of microbial physiology and in environmental engineering related to water and land systems including aerobic and anaerobic treatment processes involved in nutrient/waste recycling as well as impact of xenobiotic compounds on processes water, soil and sediment.*



## Project Cost Accounting and Finance

*This course reviews the fundamentals of accounting; examines project cost accounting principles, applications, and impact on profitability; examines the principles of activity based costing; covers the elements involved in cash management; introduces the framework for how projects are financed and the potential impact financing has on the projects; and a framework for evaluating PC based systems and what resources are needed for an effective project cost system.*

|      |   |                   |
|------|---|-------------------|
| PM01 | James Myers   | Seats (Total: 40) |
|      | Class time/details on ELMs  | ONLINE            |
|      | <i>Weekly video conferences Monday 7pm-8pm and Tuesday 3:30pm-4:30pm.</i> |                   |

## Introduction to Project Management

*Introduction to project management including: overview and concepts of project management (principles, body of knowledge, strategies); planning successful projects (defining, specifying, delivery options, scheduling, budgeting); implementing (organizing the team, work assignments, team building, effective leadership); executing (performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management); and closeout(performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management).*

|      |   |                   |
|------|---|-------------------|
| 0101 | John Cable  | Seats (Total: 37) |
|      | W 4:00pm - 6:40pm   | JMP 2222          |
| PM01 | John Cable  | Seats (Total: 30) |
|      | Class time/details on ELMs  | ONLINE            |
|      | <i>Weekly video conference: Monday 7:00am to 8:00am and 8:00pm to 9:00pm.</i> |                   |

## Legal Aspects of Engineering Design and Construction

*Prerequisite: Permission of ENGR-Civil & Environmental Engineering department.*

*Examines ways in which the legal system affects the design and construction process. Focuses on contract types and the relationships between the parties in different delivery systems. Covers basics of procurement protocols along with negotiating techniques and strategies. Topics include contract law, the relationships between the parties, tort and negligence law, and the statutory principles affecting construction.*

Weekly video conference after 7:50 p.m.

|      |  |                   |
|------|--|-------------------|
| PM01 | Thomas Powell, Mark Groff, Thomas Barham                             | Seats (Total: 35) |
|      | Class time/details on ELMs   | ONLINE            |
|      | <i>Weekly video conference: Tuesday 7AM-8AM and Tuesday 8PM-9PM.</i> |                   |

## **ENCE665 Management of Project Teams**

(Perm req)

Credits: 3      Grading Method: Regular, Audit

*Experience has shown that really excellent project managers are not only technically competent but that they have above average skills in human relations and communications. The course will prepare project managers to optimize the utilization of their most important resource: people. Relying primarily on a wide range of research and experience in the Project Team, this course will help guide project managers in building the other skills needed to be truly successful in the competitive Project Team.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Jocelyn Davis      | Seats (Total: 40) |
|      | Th 4:00pm - 6:40pm | JMP 2121          |

## **ENCE666 Cost Engineering and Control**

Credits: 3      Grading Method: Regular, Audit

*Analytic techniques to estimate and control project costs, including site investigation, quantity takeoff, work analysis and bid preparation. Systematic cost control as related to job production and historical data.*

|      |   |                   |
|------|---|-------------------|
| PM01 | Neil Schulman   | Seats (Total: 30) |
|      | <b>Meets August 28, 2017 - December 4, 2017</b>       |                   |
|      | Class time/details on ELMs                            | ONLINE            |
|      | <i>Weekly video conferences: Wednesday 7:00-7:50.</i> |                   |

## **ENCE670 Highway Traffic Characteristics and Measurements**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: ENCE470; or permission of instructor.*

*The study of the fundamental traits and behavior patterns of road users and their vehicles in traffic. The basic characteristics of the pedestrian, the driver, the vehicle, traffic volume and speed, stream flow and intersection operation, parking, and accidents.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Charles Liu         | Seats (Total: 29) |
|      | Th 12:30pm - 3:10pm | EGR 2154          |

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## **ENCE672                      Regional Transportation Planning**

Credits: 3                      Grading Method: Regular,  
   Audit

*Factors involved and the components of the process for planning statewide and regional transportation systems, encompassing all modes. Transportation planning studies, statewide traffic models, investment models, programming and scheduling.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Paul Schonfeld     | Seats (Total: 29) |
|      | Tu 5:00pm - 7:30pm | EGR 2154          |

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## **ENCE677                      OR Models for Transportation Systems Analysis**

Credits: 3                      Grading Method: Regular,  
   Audit

*Fundamental skills and concepts of the quantitative techniques of operations research including: mathematical modeling, linear programming, integer programming, network optimization (shortest paths, minimum spanning trees, minimum cost network flows, maximum flows), heuristics, and basics of probabilistic modeling. Emphasis on the application of these techniques to problems arising in transportation.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Ali Haghani          | Seats (Total: 25) |
|      | TuTh 3:30pm - 4:45pm | JMP 1202          |

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## **ENCE681                      Freight Transportation Analysis**

Credits: 3                      Grading Method: Regular,  
   Audit

*Application of operations research and system analysis methods to freight transportation systems. Cost and output analysis, terminal location, freight transportation demand models, freight transportation network equilibrium models and analytic models for analyzing the operations of rail, motor carrier, water carrier and air cargo systems.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Paul Schonfeld    | Seats (Total: 20) |
|      | M 5:00pm - 7:45pm | EGR 3114          |

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**ENCE688I      Advanced Topics in Civil Engineering; Discrete Choice Analysis**

Credits: 3      Grading Method: Regular,  
Audit

*Advanced topics selected by the faculty from the current literature of civil engineering to suit the needs and background of students. May be taken for repeated credit when identified by topic title.*

|      |                            |                   |
|------|----------------------------|-------------------|
| TS01 | Cinzia Cirillo             | Seats (Total: 15) |
|      | Class time/details on ELMs | ONLINE            |

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**ENCE688K      Advanced Topics in Civil Engineering; Risk and Resilience of Infrastructure Systems and Services**

Credits: 3      Grading Method: Regular,  
Audit

*Advanced topics selected by the faculty from the current literature of civil engineering to suit the needs and background of students. May be taken for repeated credit when identified by topic title.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Allison Reilly    | Seats (Total: 12) |
|      | W 5:00pm - 7:30pm | EGR 1110          |

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**ENCE688M      Advanced Topics in Civil Engineering; Intelligent Transportation Systems**

Credits: 1-3      Grading Method: Regular,  
Audit

*Advanced topics selected by the faculty from the current literature of civil engineering to suit the needs and background of students. May be taken for repeated credit when identified by topic title.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Kaveh Farokhi Sadabadi     | Seats (Total: 20) |
|      | W 4:00pm - 6:40pm          | JMP 2217          |
| TS01 | Kaveh Farokhi Sadabadi     | Seats (Total: 5)  |
|      | Class time/details on ELMs | ONLINE            |

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**ENCE688V      Advanced Topics in Civil Engineering; Analytical Procedures of Structural Fire Protection**

(Perm req)      Credits: 3      Grading Method: Regular,  
Audit

*Advanced topics selected by the faculty from the current literature of civil engineering to suit the needs and background of students. May be taken for repeated credit when identified by topic title.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Jose Torero            | Seats (Total: 12) |
|      | TuTh 11:00am - 12:15pm | ESJ 1215          |

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**ENCE689****Seminar**

Credits: 1-16      Grading Method: Regular,  
Audit

Majors only. Other majors require permission of department.

**Contact department for information to register for this course.**

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**ENCE689G****Seminar; Remote Sensing of Global Water**

Credits: 3      Grading Method: Regular,  
Audit

Prerequisite: MATH241; ENCE201; and ENCE305. Introduction to basic concepts of remote sensing in water resource management. Discussion of measurements related to hydrologically- relevant variables such as soil moisture, snow, groundwater, precipitation, and river discharge. Application of remote sensing datasets in the characterization and quantification of available freshwater resources.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Barton Forman        | Seats (Total: 20) |
|      | TuTh 4:00pm - 5:15pm | EGR 0135          |

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**ENCE743****Soil Dynamics and Earthquake Engineering**

Credits: 3      Grading Method: Regular,  
Audit

*Credit only granted for: ENCE642 or ENCE743. Formerly: ENCE642.*

*Review of theory of vibration and wave propagation in elastic media. Field and laboratory methods for determining dynamic soil properties. Analysis and design of soil-foundation systems subjected to machinery generated vibrations and methods of foundation isolation. Earthquake causes, magnitude and intensity, seismic hazard evaluation, NEHRP site classification, site response analyses and ground motion amplification, liquefaction and response of earth structures.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Mohamed Aggour     | Seats (Total: 25) |
|      | Th 5:00pm - 7:30pm | EGR 2154          |

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**ENCE799****Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

Majors only. Other majors require permission of department.

**Contact department for information to register for this course.**

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**ENCE898 Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

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**ENCE899 Doctoral Dissertation Research**

(Perm req) Credits: 6      Grading Method: Regular

Majors only. Other majors require permission of department.

**Contact department for information to register for this course.**

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**ENCH Engineering, Chemical**

**Fall 2017**

**ENCH609 Graduate Seminar**

(Perm req) Credits: 1      Grading Method: Regular,  
Audit

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Dongxia Liu          | Seats (Total: 35) |
|      | Tu 11:00am - 12:15pm | CHE 2108          |

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**ENCH610 Chemical Engineering Thermodynamics**

(Perm req) Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: CHBE301; and CHBE302. Or students who have taken courses with comparable content may contact the department. Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department.*

*Advanced application of the general thermodynamic methods to chemical engineering problems. First and second law consequences; estimation and correlation of thermodynamic properties; phase and chemical reaction equilibria.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Mikhail Anisimov     | Seats (Total: 35) |
|      | TuTh 3:30pm - 4:45pm | BPS 1228          |

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**ENCH620 Methods of Engineering Analysis**

(Perm req) Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: MATH246; and CHBE250. Or students who have taken courses with comparable content may contact the department. Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department.*

*Application of selected mathematical techniques to the analysis and solution of engineering problems; included are the applications of matrices, vectors, tensors, differential equations, integral transforms, and probability methods to such problems as unsteady heat transfer, transient phenomena in mass transfer operations, stagewise processes, chemical reactors, process control, and nuclear reactor physics.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Nam Sun Wang         | Seats (Total: 35) |
|      | TuTh 5:00pm - 6:15pm | JMP 1109          |

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**ENCH648 Special Problems in Chemical Engineering**

(Perm req)

Credits: 1-16      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**ENCH648E Special Problems in Chemical Engineering; Heterogeneous Catalysis for Energy Applications**

Credits: 3      Grading Method: Regular,  
Audit

|      |                    |                  |
|------|--------------------|------------------|
| 0101 | Dongxia Liu        | Seats (Total: 6) |
|      | MW 5:00pm - 6:15pm | CHE 2110         |

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**ENCH648L Special Problems in Chemical Engineering; Photovoltaics: Solar Energy**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Raymond Adomaitis    | Seats (Total: 15) |
|      | TuTh 2:00pm - 3:15pm | JMP 2216          |
| HT01 | Raymond Adomaitis    | Seats (Total: 10) |
|      | TuTh 2:00pm - 3:15pm | Location: TBA     |
| ME01 | Raymond Adomaitis    | Seats (Total: 15) |
|      | TuTh 2:00pm - 3:15pm | ONLINE            |
| SG01 | Raymond Adomaitis    | Seats (Total: 10) |
|      | TuTh 2:00pm - 3:15pm | Location: TBA     |

|      |                      |                  |
|------|----------------------|------------------|
| SM01 | Raymond Adomaitis    | Seats (Total: 5) |
|      | TuTh 2:00pm - 3:15pm | Location: TBA    |

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**ENCH648P      Special Problems in Chemical Engineering; Protein Engineering**

Credits: 3      Grading Method: Regular,  
Audit

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Amy Karlsson          | Seats (Total: 10) |
|      | TuTh 12:30pm - 1:45pm | EGR 1104          |

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**ENCH648X      Special Problems in Chemical Engineering; Multiscale and Multiphase Flows**

Credits: 3      Grading Method: Regular,  
Audit

|      |                       |                  |
|------|-----------------------|------------------|
| 0101 | Richard Calabrese     | Seats (Total: 5) |
|      | TuTh 9:30am - 10:45am | CHE 2145         |

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**ENCH799      Master's Thesis Research**

(Perm req)

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**ENCH898      Pre-Candidacy Research**

(Perm req)

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

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**ENCH899      Doctoral Dissertation Research; Chemical Engineering**

(Perm req)

Credits: 6      Grading Method: Regular

**Contact department for information to register for this course.**

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**ENCO      Engineering, Cooperative  
Education**

**Fall 2017**

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**ENCO099      Co-Op/Intern Work Experience**

(Perm req)

Credits: 0      Grading Method: Sat-Fail



Participation in a cooperative education (co-op) or internship program enables students to apply the theories that they have learned in their traditional classes with paid, supervised, career-related work experience that develops technical and professional work skills. Contact the Engineering Co-op & Career Services Office.

If dropping course, see Withdrawal and Refund of Fees - Special Refund Deadlines in the Financial Information section of the Schedule of Classes.

|      |   |                    |
|------|---|--------------------|
| 0101 | Heidi Sauber, Veronica Perrigan               | Seats (Total: 200) |
|      | Contact instructor or department for details. |                    |

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## ENEE      Electrical & Computer Engineering      Fall 2017

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### ENEE101      Introduction to Electrical & Computer Engineering

(Perm req)

Credits: 3      Grading Method: Regular

*Corequisite: MATH140. And corequisite: ENEE140 or CMSC131; or a score of 5 on the A Java AP exam; or a score of 4 or 5 on the AB Java AP exam; or satisfactory performance on the department's placement exam. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer) ; and students cannot enroll in ENEE101 and ENES100 in the same semester.*

*An exploration of topics within Electrical & Computer Engineering (ECE). Students will be introduced to key elements of both the Electrical Engineering and Computer Engineering curriculum, including: circuits, computing systems and software, communications and controls, electrodynamics and waves, microelectronics, signal processing, and power systems.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Ramalingam Chellappa | Seats (Total: 12) |
|      | Th 4:00pm - 5:15pm   | EGR 1202          |
|      | MW 8:00am - 9:50am   | AVW 1344      Lab |
| 0102 | Ramalingam Chellappa | Seats (Total: 12) |
|      | Th 4:00pm - 5:15pm   | EGR 1202          |
|      | MW 10:00am - 11:50am | AVW 1344      Lab |
| 0103 | Ramalingam Chellappa | Seats (Total: 12) |
|      | Th 4:00pm - 5:15pm   | EGR 1202          |
|      | MW 12:00pm - 1:50pm  | AVW 1344      Lab |
| 0104 | Ramalingam Chellappa | Seats (Total: 12) |
|      | Th 4:00pm - 5:15pm   | EGR 1202          |
|      | MW 2:00pm - 3:50pm   | AVW 1344      Lab |

|      |  |   |     |
|------|--|---|-----|
| 0105 | Ramalingam Chellappa<br>Th 4:00pm - 5:15pm<br>TuTh 8:00am - 9:50am   | Seats (Total: 12)<br>EGR 1202<br>AVW 1344 | Lab |
| 0106 | Ramalingam Chellappa<br>Th 4:00pm - 5:15pm<br>TuTh 10:00am - 11:50am | Seats (Total: 12)<br>EGR 1202<br>AVW 1344 | Lab |
| 0107 | Ramalingam Chellappa<br>Th 4:00pm - 5:15pm<br>TuTh 12:00pm - 1:50pm  | Seats (Total: 12)<br>EGR 1202<br>AVW 1344 | Lab |
| 0108 | Ramalingam Chellappa<br>Th 4:00pm - 5:15pm<br>TuTh 2:00pm - 3:50pm   | Seats (Total: 12)<br>EGR 1202<br>AVW 1344 | Lab |
| 0109 | Ramalingam Chellappa<br>Th 4:00pm - 5:15pm<br>MW 4:00pm - 5:50pm     | Seats (Total: 12)<br>EGR 1202<br>AVW 1344 | Lab |

## ENEE140

(Perm req)

## Introduction to Programming Concepts for Engineers

Credits: 2

Grading Method: Regular

*Prerequisite: Permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in Engineering: Electrical program; or must be in Engineering: Materials Science program.*

*Introduction to the programming environment: editing, compiling, UNIX, data types and variable scope; program selection, formatted/unformatted input/output, repetition, functions, arrays and strings.*

|      |  |   |            |
|------|--|---|------------|
| 0101 | Gang Qu<br>Tu 9:30am - 10:45am<br>WF 8:00am - 8:50am   | Seats (Total: 12)<br>KEB 1110<br>AVW 2446 | Discussion |
| 0102 | Gang Qu<br>Tu 9:30am - 10:45am<br>WF 9:00am - 9:50am   | Seats (Total: 12)<br>KEB 1110<br>AVW 2446 | Discussion |
| 0103 | Gang Qu<br>Tu 9:30am - 10:45am<br>WF 10:00am - 10:50am | Seats (Total: 12)<br>KEB 1110<br>AVW 2446 | Discussion |

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0104 | Gang Qu              | Seats (Total: 12) |            |
|      | Tu 9:30am - 10:45am  | KEB 1110          |            |
|      | WF 11:00am - 11:50am | AVW 2446          | Discussion |
| 0105 | Gang Qu              | Seats (Total: 12) |            |
|      | Tu 9:30am - 10:45am  | KEB 1110          |            |
|      | WF 1:00pm - 1:50pm   | AVW 2446          | Discussion |
| 0106 | Gang Qu              | Seats (Total: 12) |            |
|      | Tu 9:30am - 10:45am  | KEB 1110          |            |
|      | WF 2:00pm - 2:50pm   | AVW 2446          | Discussion |

## ENEE150

(Perm req)

### Intermediate Programming Concepts for Engineers

Credits: 3

Grading Method: Regular

*Prerequisite: Permission of ENGR-Electrical & Computer Engineering department. And ENEE140 or CMSC131; or score of 5 on the A Java AP exam; or score of 4 or 5 on the AB Java AP exam; or satisfactory performance on the department's placement exam. Corequisite: MATH140. Restriction: Must be in Engineering: Electrical program. Credit only granted for: ENEE114 or ENEE150. Formerly: ENEE114.*

*Advanced programming concepts: coding conventions and style; pointers; dynamic memory allocation and data structures; linked lists; graphs; abstract data types; object-oriented design. There will be team-based software projects and group presentations.*

|      |                        |                   |            |
|------|------------------------|-------------------|------------|
| 0101 | Donald Yeung           | Seats (Total: 12) |            |
|      | TuTh 11:00am - 12:15pm | EGR 0108          |            |
|      | F 8:00am - 8:50am      | AVW 1442          | Discussion |
| 0102 | Donald Yeung           | Seats (Total: 12) |            |
|      | TuTh 11:00am - 12:15pm | EGR 0108          |            |
|      | F 9:00am - 9:50am      | AVW 1442          | Discussion |
| 0103 | Donald Yeung           | Seats (Total: 12) |            |
|      | TuTh 11:00am - 12:15pm | EGR 0108          |            |
|      | F 10:00am - 10:50am    | AVW 1442          | Discussion |
| 0104 | Donald Yeung           | Seats (Total: 12) |            |
|      | TuTh 11:00am - 12:15pm | EGR 0108          |            |
|      | F 2:00pm - 2:50pm      | AVW 1442          | Discussion |

|      |                        |                  |            |
|------|------------------------|------------------|------------|
| 0105 | Donald Yeung           | Seats (Total: 8) |            |
|      | TuTh 11:00am - 12:15pm | EGR 0108         |            |
|      | F 3:00pm - 3:50pm      | AVW 1442         | Discussion |

## ENEE200

### Technology and Consequences: Engineering, Ethics, and Humanity

Credits: 3

Grading Method: Regular

CORE: IE

General Education: DSHU,  
SCIS

*What makes a technology socially responsible? At UMD, the Fearless Ideas campaign asks us to aim our enthusiasm for technology at big real problems. At the same time, we are coming to appreciate the increasingly complex nature of technological systems as they become integrated into all forms of infrastructure, we realize they may be unpredictable, interdependent on social and biological systems, and have unintended consequences. In this midst of this complexity, people make decisions with far reaching impacts. How then do we follow our passion for technology and innovation but also stay skeptical in a way that allows us to consider the potential and shortcomings of technology? Designed for both engineering and non-engineering students wishing to explore and assess the impact of engineering technology on society and the role of society in generating that technology.*

|      |                        |                   |            |
|------|------------------------|-------------------|------------|
| 0101 | Nicole Mogul           | Seats (Total: 16) |            |
|      | TuTh 11:00am - 11:50am | ESJ 1202          |            |
|      | F 8:00am - 9:50am      | CSI 2120          | Discussion |
| 0102 | Nicole Mogul           | Seats (Total: 16) |            |
|      | TuTh 11:00am - 11:50am | ESJ 1202          |            |
|      | F 10:00am - 11:50am    | EGR 3111          | Discussion |
| 0103 | Nicole Mogul           | Seats (Total: 16) |            |
|      | TuTh 11:00am - 11:50am | ESJ 1202          |            |
|      | F 12:00pm - 1:50pm     | EGR 3111          | Discussion |
| 0104 | Nicole Mogul           | Seats (Total: 16) |            |
|      | TuTh 11:00am - 11:50am | ESJ 1202          |            |
|      | F 2:00pm - 3:50pm      | EGR 3111          | Discussion |
| 0105 | Nicole Mogul           | Seats (Total: 16) |            |
|      | TuTh 11:00am - 11:50am | ESJ 1202          |            |
|      | F 4:00pm - 5:50pm      | EGR 3111          | Discussion |
| 0201 | Nicole Mogul           | Seats (Total: 16) |            |
|      | TuTh 3:30pm - 4:20pm   | ESJ 1202          |            |
|      | F 8:00am - 9:50am      | EGR 3111          | Discussion |

|      |   |   |            |
|------|---|---|------------|
| 0202 | Nicole Mogul<br>TuTh 3:30pm - 4:20pm<br>F 10:00am - 11:50am | Seats (Total: 16)<br>ESJ 1202<br>CHM 0127 | Discussion |
| 0203 | Nicole Mogul<br>TuTh 3:30pm - 4:20pm<br>F 12:00pm - 1:50pm  | Seats (Total: 16)<br>ESJ 1202<br>CHE 2116 | Discussion |
| 0204 | Nicole Mogul<br>TuTh 3:30pm - 4:20pm<br>F 2:00pm - 3:50pm   | Seats (Total: 16)<br>ESJ 1202<br>CHE 2116 | Discussion |
| 0205 | Nicole Mogul<br>TuTh 3:30pm - 4:20pm<br>F 4:00pm - 5:50pm   | Seats (Total: 16)<br>ESJ 1202<br>EGR 1110 | Discussion |

## ENEE205

### Electric Circuits

(Perm req)

Credits: 4

Grading Method: Regular

*Prerequisite: Minimum grade of C- in PHYS260; and permission of ENGR-Electrical & Computer Engineering department. Corequisite: MATH246. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Credit only granted for: ENEE204 or ENEE205. Formerly: ENEE204.*

*Design, analysis, simulation, construction and evaluation of electric circuits. Terminal Relationships. Kirchoff's laws. DC and AC steady state analysis. Node and mesh methods. Thevenin and Norton equivalent circuits. Transient behavior of first- and second-order circuits. Frequency response and transfer functions. Ideal op-amp circuits. Diode and transistor circuits.*

|      |  |   |                   |
|------|--|---|-------------------|
| 0101 | Christopher Davis<br>MW 2:00pm - 3:15pm<br>Tu 12:00pm - 1:50pm<br>Tu 11:00am - 11:50am | Seats (Total: 12)<br>EGR 1108<br>AVW 1356<br>AVW 1356 | Lab<br>Discussion |
| 0102 | Christopher Davis<br>MW 2:00pm - 3:15pm<br>Tu 9:00am - 10:50am<br>Tu 8:00am - 8:50am   | Seats (Total: 12)<br>EGR 1108<br>AVW 1356<br>AVW 1356 | Lab<br>Discussion |

|      |  |   |                   |
|------|--|---|-------------------|
| 0103 | Christopher Davis<br>MW 2:00pm - 3:15pm<br>Th 12:00pm - 1:50pm<br>Th 11:00am - 11:50am | Seats (Total: 12)<br>EGR 1108<br>AVW 1356<br>AVW 1356 | Lab<br>Discussion |
| 0104 | Christopher Davis<br>MW 2:00pm - 3:15pm<br>Th 9:00am - 10:50am<br>Th 8:00am - 8:50am   | Seats (Total: 12)<br>EGR 1108<br>AVW 1356<br>AVW 1356 | Lab<br>Discussion |
| 0105 | Christopher Davis<br>MW 2:00pm - 3:15pm<br>W 12:00pm - 1:50pm<br>W 11:00am - 11:50am   | Seats (Total: 12)<br>EGR 1108<br>AVW 1356<br>AVW 1356 | Lab<br>Discussion |
| 0201 | Romel Gomez<br>TuTh 9:30am - 10:45am<br>M 12:00pm - 1:50pm<br>M 11:00am - 11:50am      | Seats (Total: 12)<br>EGR 0108<br>AVW 1356<br>AVW 1356 | Lab<br>Discussion |
| 0202 | Romel Gomez<br>TuTh 9:30am - 10:45am<br>M 3:00pm - 4:50pm<br>M 2:00pm - 2:50pm         | Seats (Total: 12)<br>EGR 0108<br>AVW 1356<br>AVW 1356 | Lab<br>Discussion |
| 0203 | Romel Gomez<br>TuTh 9:30am - 10:45am<br>W 3:00pm - 4:50pm<br>W 2:00pm - 2:50pm         | Seats (Total: 12)<br>EGR 0108<br>AVW 1356<br>AVW 1356 | Lab<br>Discussion |
| 0204 | Romel Gomez<br>TuTh 9:30am - 10:45am<br>F 9:00am - 10:50am<br>F 8:00am - 8:50am        | Seats (Total: 12)<br>EGR 0108<br>AVW 1356<br>AVW 1356 | Lab<br>Discussion |
| 0205 | Romel Gomez<br>TuTh 9:30am - 10:45am<br>M 9:00am - 10:50am<br>M 8:00am - 8:50am        | Seats (Total: 12)<br>EGR 0108<br>AVW 1356<br>AVW 1356 | Lab<br>Discussion |

(Perm req)

Credits: 4

Grading Method: Regular

*Prerequisite: Minimum grade of C- in MATH141; and permission of ENGR-Electrical & Computer Engineering department. And minimum grade of C- in ENEE140; or minimum grade of C- in CMSC131. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE222, ENEE241, or MATH242. Formerly: ENEE241.*

*Discrete-time and continuous-time signals, sampling. Linear transformers, orthogonal projections. Discrete Fourier Transform and its properties. Fourier Series. Introduction to discrete-time linear filters in both time and frequency domains.*

|      |                      |                   |            |  |
|------|----------------------|-------------------|------------|--|
| 0101 | Gilmer Blankenship   | Seats (Total: 22) |            |  |
|      | MW 3:30pm - 4:45pm   | EGR 0108          |            |  |
|      | Th 9:00am - 9:50am   | KEB 2107          | Lab        |  |
|      | Tu 9:00am - 9:50am   | KEB 2107          | Discussion |  |
| 0102 | Gilmer Blankenship   | Seats (Total: 22) |            |  |
|      | MW 3:30pm - 4:45pm   | EGR 0108          |            |  |
|      | Th 10:00am - 10:50am | KEB 2107          | Lab        |  |
|      | Tu 10:00am - 10:50am | KEB 2107          | Discussion |  |
| 0103 | Gilmer Blankenship   | Seats (Total: 22) |            |  |
|      | MW 3:30pm - 4:45pm   | EGR 0108          |            |  |
|      | Th 11:00am - 11:50am | KEB 2107          | Lab        |  |
|      | Tu 11:00am - 11:50am | KEB 2107          | Discussion |  |
| 0201 | Adrianos Papamarcou  | Seats (Total: 22) |            |  |
|      | TuTh 3:30pm - 4:45pm | EGR 0108          |            |  |
|      | F 9:00am - 9:50am    | KEB 2107          | Lab        |  |
|      | W 9:00am - 9:50am    | KEB 2107          | Discussion |  |
| 0202 | Adrianos Papamarcou  | Seats (Total: 22) |            |  |
|      | TuTh 3:30pm - 4:45pm | EGR 0108          |            |  |
|      | F 10:00am - 10:50am  | KEB 2107          | Lab        |  |
|      | W 10:00am - 10:50am  | KEB 2107          | Discussion |  |
| 0203 | Adrianos Papamarcou  | Seats (Total: 22) |            |  |
|      | TuTh 3:30pm - 4:45pm | EGR 0108          |            |  |
|      | F 11:00am - 11:50am  | KEB 2107          | Lab        |  |
|      | W 11:00am - 11:50am  | KEB 2107          | Discussion |  |

**ENEE244**

**Digital Logic Design**

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: Must have completed or be concurrently enrolled in CMSC132 or ENEE150; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Sophomore standing or higher; and must be in one of the following programs (Engineering: Computer; Engineering: Electrical).*

*The design and analysis of combinational and synchronous sequential systems comprising digital logic gates and flip-flop memory devices; underlying tools such as switching and Boolean algebras and Karnaugh map simplification of gate networks; design and use of decoders, multiplexers, encoders, adders, registers, counters, sequence recognizers, programmable logic arrays (PLAs), read-only memories (ROMS, PROMS), and similar devices. Arbitrary radix conversion.*

Engineering College only (04).

|      |  |   |            |
|------|--|---|------------|
| 0101 | Joseph JaJa<br>MW 12:30pm - 1:45pm<br>Th 8:00am - 8:50am   | Seats (Total: 12)<br>KEB 1110<br>CHE 2116 | Discussion |
| 0102 | Joseph JaJa<br>MW 12:30pm - 1:45pm<br>Th 10:00am - 10:50am | Seats (Total: 12)<br>KEB 1110<br>CHE 2116 | Discussion |
| 0103 | Joseph JaJa<br>MW 12:30pm - 1:45pm<br>Th 3:00pm - 3:50pm   | Seats (Total: 12)<br>KEB 1110<br>EGR 3111 | Discussion |
| 0104 | Joseph JaJa<br>MW 12:30pm - 1:45pm<br>Th 4:00pm - 4:50pm   | Seats (Total: 12)<br>KEB 1110<br>EGR 3111 | Discussion |
| 0105 | Joseph JaJa<br>MW 12:30pm - 1:45pm<br>Th 9:00am - 9:50am   | Seats (Total: 12)<br>KEB 1110<br>CHE 2116 | Discussion |
| 0106 | Joseph JaJa<br>MW 12:30pm - 1:45pm<br>Th 11:00am - 11:50am | Seats (Total: 12)<br>KEB 1110<br>HBK 1108 | Discussion |
| 0201 | Jerry Wu<br>TuTh 2:00pm - 3:15pm<br>M 9:00am - 9:50am      | Seats (Total: 12)<br>JMP 3201<br>CHE 2140 | Discussion |



|      |   |   |            |
|------|---|---|------------|
| 0202 | Jerry Wu<br>TuTh 2:00pm - 3:15pm<br>M 10:00am - 10:50am | Seats (Total: 12)<br>JMP 3201<br>EGR 3111 | Discussion |
| 0203 | Jerry Wu<br>TuTh 2:00pm - 3:15pm<br>M 11:00am - 11:50am | Seats (Total: 12)<br>JMP 3201<br>EGR 3111 | Discussion |
| 0204 | Jerry Wu<br>TuTh 2:00pm - 3:15pm<br>M 12:00pm - 12:50pm | Seats (Total: 12)<br>JMP 3201<br>EGR 3111 | Discussion |
| 0205 | Jerry Wu<br>TuTh 2:00pm - 3:15pm<br>M 1:00pm - 1:50pm   | Seats (Total: 12)<br>JMP 3201<br>EGR 3111 | Discussion |
| 0206 | Jerry Wu<br>TuTh 2:00pm - 3:15pm<br>M 2:00pm - 2:50pm   | Seats (Total: 12)<br>JMP 3201<br>EGR 3111 | Discussion |

## ENEE245

(Perm req)

## Digital Circuits and Systems Laboratory

Credits: 2

Grading Method: Regular

*Prerequisite: Minimum grade of C- in ENEE244. And minimum grade of C- in ENEE150; or minimum grade of C- in CMSC132. And permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer).*

*Introduction to basic measurement techniques and electrical laboratory equipment (power supplies, oscilloscopes, voltmeters, etc.). Design, construction, and characterization of digital circuits containing logic gates, sequential elements, oscillators, and digital integrated circuits. Introduction to digital design and simulation with the Verilog Hardware Description Language (HDL).*

|      |  |   |     |
|------|--|---|-----|
| 0101 | Candace Walden<br>M 9:00am - 9:50am<br>M 2:00pm - 4:50pm   | Seats (Total: 12)<br>ESJ 1202<br>AVW 1450 | Lab |
| 0102 | Candace Walden<br>M 9:00am - 9:50am<br>Tu 8:00am - 10:50am | Seats (Total: 12)<br>ESJ 1202<br>AVW 1450 | Lab |

|      |  |   |     |
|------|--|---|-----|
| 0103 | Candace Walden<br>M 9:00am - 9:50am<br>W 11:00am - 1:50pm  | Seats (Total: 12)<br>ESJ 1202<br>AVW 1450 | Lab |
| 0104 | Candace Walden<br>M 9:00am - 9:50am<br>Th 11:00am - 1:50pm | Seats (Total: 12)<br>ESJ 1202<br>AVW 1450 | Lab |
| 0105 | Candace Walden<br>M 9:00am - 9:50am<br>F 2:00pm - 4:50pm   | Seats (Total: 12)<br>ESJ 1202<br>AVW 1450 | Lab |
| 0106 | Candace Walden<br>M 9:00am - 9:50am<br>Tu 2:00pm - 4:50pm  | Seats (Total: 12)<br>ESJ 1202<br>AVW 1450 | Lab |
| 0107 | Candace Walden<br>M 9:00am - 9:50am<br>Tu 11:00am - 1:50pm | Seats (Total: 12)<br>ESJ 1202<br>AVW 1450 | Lab |
| 0108 | Candace Walden<br>M 9:00am - 9:50am<br>W 8:00am - 10:50am  | Seats (Total: 12)<br>ESJ 1202<br>AVW 1450 | Lab |
| 0110 | Candace Walden<br>M 9:00am - 9:50am<br>W 2:00pm - 4:50pm   | Seats (Total: 12)<br>ESJ 1202<br>AVW 1450 | Lab |

### ENEE303

(Perm req)

### Analog and Digital Electronics

Credits: 3

Grading Method: Regular

*Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE302 or ENEE303.*

*Conceptual operation of transistors and diodes. Large and small signal operation of BJTs and MOSFETs. Basic transistor configurations. Logic circuits and semiconductor memory. Multi-transistor circuits including differential amplifiers and current mirrors. Frequency response.*

|      |  |   |            |
|------|--|---|------------|
| 0101 | Timothy Horiuchi<br>MW 9:30am - 10:45am<br>F 9:00am - 9:50am   | Seats (Total: 25)<br>KEB 1110<br>EGR 1102 | Discussion |
| 0102 | Timothy Horiuchi<br>MW 9:30am - 10:45am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>KEB 1110<br>EGR 1102 | Discussion |
| 0201 | Timothy Horiuchi<br>MW 2:00pm - 3:15pm<br>F 12:00pm - 12:50pm  | Seats (Total: 25)<br>PLS 1130<br>EGR 3114 | Discussion |
| 0202 | Timothy Horiuchi<br>MW 2:00pm - 3:15pm<br>F 1:00pm - 1:50pm    | Seats (Total: 25)<br>PLS 1130<br>EGR 1102 | Discussion |
| 0301 | Robert Newcomb<br>TuTh 12:30pm - 1:45pm<br>M 8:00am - 8:50am   | Seats (Total: 20)<br>EGR 0108<br>EGR 3102 | Discussion |
| 0302 | Robert Newcomb<br>TuTh 12:30pm - 1:45pm<br>M 9:00am - 9:50am   | Seats (Total: 20)<br>EGR 0108<br>EGR 3102 | Discussion |

### ENEE303H

### Analog and Digital Electronics

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE302 or ENEE303.*

*Conceptual operation of transistors and diodes. Large and small signal operation of BJTs and MOSFETs. Basic transistor configurations. Logic circuits and semiconductor memory. Multi-transistor circuits including differential amplifiers and current mirrors. Frequency response.*

|      |  |   |            |
|------|--|---|------------|
| 0101 | Robert Newcomb<br>TuTh 12:30pm - 1:45pm<br>M 10:00am - 10:50am | Seats (Total: 15)<br>EGR 0108<br>PLS 1164 | Discussion |
|------|--|---|------------|

### ENEE307

### Electronic Circuits Design Laboratory

(Perm req)

Credits: 2

Grading Method: Regular

*Prerequisite: ENEE303; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department.*  
*Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).*  
*Credit only granted for: ENEE 306 or ENEE 307.*

*Students will design and test analog and digital circuits at the transistor level. FETs and BJTs will be covered. The laboratory experiments will be tightly coordinated with ENEE303 materials.*

|      |   |  |
|------|---|--|
| 0101 | Neil Goldsman<br>W 10:00am - 10:50am<br>M 8:00am - 11:00am  | Seats (Total: 12)<br>PHY 1412<br>AVW 1330      Lab |
| 0102 | Neil Goldsman<br>W 10:00am - 10:50am<br>M 11:00am - 2:00pm  | Seats (Total: 12)<br>PHY 1412<br>AVW 1330      Lab |
| 0103 | Neil Goldsman<br>W 10:00am - 10:50am<br>M 2:00pm - 5:00pm   | Seats (Total: 12)<br>PHY 1412<br>AVW 1330      Lab |
| 0104 | Neil Goldsman<br>W 10:00am - 10:50am<br>Tu 8:00am - 11:00am | Seats (Total: 12)<br>PHY 1412<br>AVW 1330      Lab |
| 0105 | Neil Goldsman<br>W 10:00am - 10:50am<br>Th 8:00am - 11:00am | Seats (Total: 12)<br>PHY 1412<br>AVW 1330      Lab |
| 0106 | Neil Goldsman<br>W 10:00am - 10:50am<br>F 8:00am - 11:00am  | Seats (Total: 12)<br>PHY 1412<br>AVW 1330      Lab |
| 0107 | Neil Goldsman<br>W 10:00am - 10:50am<br>F 11:00am - 2:00pm  | Seats (Total: 12)<br>PHY 1412<br>AVW 1330      Lab |
| 0108 | Neil Goldsman<br>W 10:00am - 10:50am<br>W 2:00pm - 5:00pm   | Seats (Total: 12)<br>PHY 1412<br>AVW 1330      Lab |

|      |   |   |     |
|------|---|---|-----|
| 0109 | Neil Goldsman<br>W 10:00am - 10:50am<br>Th 2:00pm - 5:00pm  | Seats (Total: 12)<br>PHY 1412<br>AVW 1330 | Lab |
| 0110 | Neil Goldsman<br>W 10:00am - 10:50am<br>Tu 2:00pm - 5:00pm  | Seats (Total: 12)<br>PHY 1412<br>AVW 1330 | Lab |
| 0111 | Neil Goldsman<br>W 10:00am - 10:50am<br>Tu 11:00am - 2:00pm | Seats (Total: 12)<br>PHY 1412<br>AVW 1330 | Lab |
| 0112 | Neil Goldsman<br>W 10:00am - 10:50am<br>F 2:00pm - 5:00pm   | Seats (Total: 12)<br>PHY 1412<br>AVW 1330 | Lab |

### ENEE313

### Introduction to Device Physics

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE312 or ENEE313.*

*Basic physics of devices including fields in solids, crystal structure, properties of electrons and holes. Current flow in Si using drift-diffusion model. Properties of the pn junction. Properties of devices including BJTs, FETs and their physical characteristics.*

|      |  |   |            |
|------|--|---|------------|
| 0101 | Agisilaos Iliadis<br>TuTh 11:00am - 12:15pm<br>M 2:00pm - 2:50pm | Seats (Total: 25)<br>KEB 1110<br>EGR 3102 | Discussion |
| 0102 | Agisilaos Iliadis<br>TuTh 11:00am - 12:15pm<br>M 3:00pm - 3:50pm | Seats (Total: 25)<br>KEB 1110<br>EGR 3102 | Discussion |
| 0201 | Kevin Daniels<br>MW 11:00am - 12:15pm<br>F 11:00am - 11:50am     | Seats (Total: 25)<br>EGR 0135<br>CHE 2145 | Discussion |

### ENEE322

### Signal and System Theory

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: Minimum grade of C- in MATH246; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).*

*Concept of linear systems, state space equations for continuous systems, time and frequency domain analysis of signals and linear systems. Fourier, Laplace and Z transforms. Application of theory to problems in electrical engineering.*

ENEE majors (09090) only.

|      |   |   |            |
|------|---|---|------------|
| 0101 | Carol Espy-Wilson<br>MW 2:00pm - 3:15pm<br>Tu 2:00pm - 2:50pm     | Seats (Total: 25)<br>ITV 1111<br>EGR 2116 | Discussion |
| 0201 | Adrianos Papamarcou<br>TuTh 9:30am - 10:45am<br>W 8:00am - 8:50am | Seats (Total: 25)<br>JMP 2121<br>EGR 1102 | Discussion |
| 0202 | Adrianos Papamarcou<br>TuTh 9:30am - 10:45am<br>W 9:00am - 9:50am | Seats (Total: 25)<br>JMP 2121<br>EGR 1102 | Discussion |
| 0301 | Mark Shayman<br>TuTh 3:30pm - 4:45pm<br>M 9:00am - 9:50am         | Seats (Total: 25)<br>EGR 1108<br>EGR 2154 | Discussion |
| 0302 | Mark Shayman<br>TuTh 3:30pm - 4:45pm<br>M 10:00am - 10:50am       | Seats (Total: 25)<br>EGR 1108<br>EGR 2154 | Discussion |

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## ENEE322H

### Signal and System Theory

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: Minimum grade of C- in MATH246; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).*

*Concept of linear systems, state space equations for continuous systems, time and frequency domain analysis of signals and linear systems. Fourier, Laplace and Z transforms. Application of theory to problems in electrical engineering.*

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Andre Tits           | Seats (Total: 15) |            |
|      | TuTh 3:30pm - 4:45pm | EGR 1110          |            |
|      | M 11:00am - 11:50am  | EGR 3114          | Discussion |

## ENEE324 Engineering Probability

(Perm req)

Credits: 3 Grading Method: Regular

*Prerequisite: ENEE322; and completion of all lower-division technical courses in the EE curriculum. Credit only granted for: BMGT231, STAT400 or ENEE324. Additional information: Electrical Engineering and Computer Engineering majors may not substitute STAT400 for ENEE324. These courses are not interchangeable, consult your program requirements or advisor for what is acceptable toward your program of study.*

*Axioms of probability; conditional probability and Bayes' rules; random variables, probability distribution and densities: functions of random variables: weak law of large numbers and central limit theorem. Introduction to random processes; correlation functions, spectral densities, and linear systems. Applications to noise in electrical systems, filtering of signals from noise, estimation, and digital communications.*

ENEE majors (09090) only.

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0102 | Anthony Ephremides    | Seats (Total: 25) |            |
|      | MW 2:00pm - 3:15pm    | CHE 2118          |            |
|      | Tu 9:00am - 9:50am    | CHM 0124          | Discussion |
| 0201 | Mark Shayman          | Seats (Total: 25) |            |
|      | TuTh 9:30am - 10:45am | EGR 1108          |            |
|      | W 9:00am - 9:50am     | EGR 2116          | Discussion |
| 0202 | Mark Shayman          | Seats (Total: 25) |            |
|      | TuTh 9:30am - 10:45am | EGR 1108          |            |
|      | W 10:00am - 10:50am   | EGR 2116          | Discussion |
| 0301 | Michael Rotkowitz     | Seats (Total: 25) |            |
|      | TuTh 3:30pm - 4:45pm  | ITV 1111          |            |
|      | W 2:00pm - 2:50pm     | SYM 0209          | Discussion |

## ENEE350 Computer Organization

(Perm req)

Credits: 3 Grading Method: Regular

*Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Formerly: ENEE250. Additional information: Electrical Engineering and Computer Engineering majors may not substitute CMSC311 for ENEE350. Not open to students who have completed ENEE250.*

*Structure and organization of digital computers. Registers, memory, control and I/O. Data and instruction formats, addressing modes, assembly language programming. Elements of system software, subroutines and their linkages.*

ENEE majors (09090) only

|      |  |   |            |
|------|--|---|------------|
| 0101 | Charles Silio<br>MW 11:00am - 12:15pm<br>Th 8:00am - 8:50am    | Seats (Total: 25)<br>KEB 1110<br>CHM 0119 | Discussion |
| 0102 | Charles Silio<br>MW 11:00am - 12:15pm<br>Th 9:00am - 9:50am    | Seats (Total: 25)<br>KEB 1110<br>CHM 0119 | Discussion |
| 0201 | Manoj Franklin<br>TuTh 12:30pm - 1:45pm<br>W 11:00am - 11:50am | Seats (Total: 25)<br>JMP 3201<br>PLS 1115 | Discussion |
| 0202 | Manoj Franklin<br>TuTh 12:30pm - 1:45pm<br>W 12:00pm - 12:50pm | Seats (Total: 25)<br>JMP 3201<br>EGR 1102 | Discussion |
| 0301 | Rajeev Barua<br>MW 2:00pm - 3:15pm<br>Th 12:00pm - 12:50pm     | Seats (Total: 20)<br>KEB 1200<br>EGR 0135 | Discussion |
| 0302 | Rajeev Barua<br>MW 2:00pm - 3:15pm<br>Th 2:00pm - 2:50pm       | Seats (Total: 20)<br>KEB 1200<br>EGR 3106 | Discussion |

**ENEE350H**

**Computer Organization**

(Perm req)

Credits: 3

Grading Method: Regular



*Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Formerly: ENEE250. Additional information: Electrical Engineering and Computer Engineering majors may not substitute CMSC311 for ENEE350. Not open to students who have completed ENEE250.*

*Structure and organization of digital computers. Registers, memory, control and I/O. Data and instruction formats, addressing modes, assembly language programming. Elements of system software, subroutines and their linkages.*

For general honors students only.

|      |                    |                   |            |
|------|--------------------|-------------------|------------|
| 0101 | Rajeev Barua       | Seats (Total: 15) |            |
|      | MW 2:00pm - 3:15pm | KEB 1200          |            |
|      | Th 2:00pm - 2:50pm | MTH 0304          | Discussion |

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### **ENEE359F Intermediate Topics in Computer Engineering; Advanced FPGA System Design using Verilog**

(Perm req)

Credits: 3                      Grading Method: Regular

*Selected intermediate level topics in computer engineering.*

Based on the skills developed in ENEE245, students will further expand their skill set by working on more advanced digital system design using Verilog hardware description language (HDL) in an industry-standard design environment. They will implement real-world designs in a field programmable gate array (FPGA) as well as test and optimize the FPGA-implemented systems. Students will also work in teams on medium- scale digital system design projects and make oral presentations and written reports.

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0101 | Jerry Wu            | Seats (Total: 12) |     |
|      | Tu 12:30pm - 1:45pm | AVW 2446          |     |
|      | Th 1:00pm - 3:50pm  | AVW 2446          | Lab |

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### **ENEE380 Electromagnetic Theory**

(Perm req)

Credits: 3                      Grading Method: Regular

*Prerequisite: Minimum grade of C- in MATH241, PHYS270, and PHYS271; and completion of all lower-division technical courses in the EE curriculum; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in Engineering: Electrical program.*

*Introduction to electromagnetic fields. Coulomb's law, Gauss's law, electrical potential, dielectric materials capacitance, boundary value problems, Biot-Savart law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations.*

ENEE majors (09090) only.

|      |                        |                   |            |
|------|------------------------|-------------------|------------|
| 0101 | Leonard Taylor         | Seats (Total: 20) |            |
|      | MW 12:30pm - 1:45pm    | EGR 1108          |            |
|      | Tu 9:00am - 9:50am     | EGR 2154          | Discussion |
| 0102 | Leonard Taylor         | Seats (Total: 20) |            |
|      | MW 12:30pm - 1:45pm    | EGR 1108          |            |
|      | Tu 10:00am - 10:50am   | EGR 2154          | Discussion |
| 0201 | Wesley Lawson          | Seats (Total: 25) |            |
|      | TuTh 11:00am - 12:15pm | ATL 1113          |            |
|      | W 2:00pm - 2:50pm      | MTH 0102          | Discussion |
| 0202 | Wesley Lawson          | Seats (Total: 25) |            |
|      | TuTh 11:00am - 12:15pm | ATL 1113          |            |
|      | W 3:00pm - 3:50pm      | EGR 2154          | Discussion |

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**ENEE380H****Electromagnetic Theory**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: Minimum grade of C- in MATH241, PHYS270, and PHYS271; and completion of all lower-division technical courses in the EE curriculum; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in Engineering: Electrical program.*

*Introduction to electromagnetic fields. Coulomb's law, Gauss's law, electrical potential, dielectric materials capacitance, boundary value problems, Biot-Savart law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations.*

|      |                        |                   |            |
|------|------------------------|-------------------|------------|
| 0101 | Wesley Lawson          | Seats (Total: 20) |            |
|      | TuTh 11:00am - 12:15pm | ATL 1113          |            |
|      | W 11:00am - 11:50am    | EGR 1102          | Discussion |

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**ENEE381****Electromagnetic Wave Propagation**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: ENEE380; and completion of all lower-division technical courses in the EE curriculum. Restriction: Must be in Engineering: Electrical program.*

*The electromagnetic spectrum: Review of Maxwell's equations; the wave equation potentials, Poynting's theorem, relationship between circuit theory and fields; propagation of electromagnetic waves in homogeneous media and at interfaces; transmission line theory, waveguides, radiation and antennas.*

ENEE majors only (09090).

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Howard Milchberg     | Seats (Total: 25) |            |
|      | MW 12:30pm - 1:45pm  | PHY 1204          |            |
|      | F 10:00am - 10:50am  | EGR 3114          | Discussion |
| 0102 | Howard Milchberg     | Seats (Total: 25) |            |
|      | MW 12:30pm - 1:45pm  | PHY 1204          |            |
|      | F 11:00am - 11:50am  | EGR 1104          | Discussion |
| 0202 | Danilo Romero        | Seats (Total: 25) |            |
|      | TuTh 3:30pm - 4:45pm | CSI 2118          |            |
|      | W 9:00am - 9:50am    | EGR 1104          | Discussion |

#### **ENEE407 Design & Testing of RF and Microwave Devices**

(Perm req)

Credits: 2      Grading Method: Regular

*Prerequisite: Minimum grade of C- in ENEE381; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical) ; and permission of ENGR-Electrical & Computer Engineering department.*

*An introduction to state of the art design, and testing techniques of RF and microwave devices. Designs, simulations and layout of different devices are performed using the software package ADS (Advance Design System). The course highlights wide range of engineering applications including terrestrial microwave links, satellite communications, broadcasting, mobile communications and radar.*

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | Kawthar Zaki         | Seats (Total: 12) |     |
|      | Tu 11:00am - 11:50am | AVW 2446          |     |
|      | Th 9:30am - 12:30pm  | AVW 2446          | Lab |

#### **ENEE408A Capstone Design Project:Microprocessor-Based Design**

(Perm req)

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: CS

Prerequisite: ENEE440 or permission of the instructor. This course provides a team-based experience in the design and implementation of a microprocessor-based system to solve a real-world problem. A product specification or client requirement forms the basis for the student teams development of an initial technical design specification. The team then divides into smaller groups for the parallel development of hardware and software subsystems of the product device. Upon completion and test of the various subsystems, software and hardware components are integrated into the system prototype and the system is tested and documented.

|      |   |                   |
|------|---|-------------------|
| 0101 | William Hawkins                               | Seats (Total: 12) |
|      | Th 9:30am - 10:20am                           | EGR 3114          |
|      | Contact instructor or department for details. |                   |

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**ENEE408C Capstone Design Project: Modern Digital System Design**

(Perm req)

Credits: 3      Grading Method: Regular      CORE: CS

Prerequisite(s): ENEE 350. Corequisite(s): ENEE 446 (Recommended) A real-world digital system design experience that prepares students for careers in FPGA and ASIC design. Student teams use the Verilog hardware description language together with industry-standard simulation and synthesis tools to design medium-complexity digital chips that are ultimately configured and tested on FPGAs with real-world applications. Results from these projects will be presented through in-class presentations and written reports.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Shuvra Bhattacharyya | Seats (Total: 16) |
|      | Tu 3:30pm - 4:45pm   | KEB 2107          |
|      | Th 2:00pm - 4:50pm   | KEB 2107      Lab |

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**ENEE408E Capstone Design Project: Optical System Design**

(Perm req)

Credits: 3      Grading Method: Regular      CORE: CS

Prerequisite(s): ENEE 380. Corequisite(s): ENEE 381. The purpose of this course is to teach optical analysis and design techniques by reference to the performance of many different optical components and systems. Attention will be given to real world design in terms of component selection, optimization, and integration into systems

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Christopher Davis    | Seats (Total: 35) |
|      | MW 11:00am - 12:15pm | EGR 2154          |

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**ENEE408I Capstone Design Project: Autonomous Control of Interacting Robots**

(Perm req)

Credits: 3      Grading Method: Regular      CORE: CS

Prerequisite: ENEE322 Electrical or Computer Engineering seniors in their last year. The course involves students in the design, development, and application of autonomous robotic systems. The robots are 4 wheeled vehicles with on-board sensors (cameras, acoustic sensors), computers and wireless communications capabilities. The students work in teams to program the robots to accomplish a task individually and in teams of 2 or more robots. Applications vary from semester to semester, including racing with passing, soccer, search and identify.

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0101 | Gilmer Blankenship  | Seats (Total: 15) |     |
|      | M 10:00am - 10:50am | EGR 2116          |     |
|      | W 11:00am - 1:50pm  | KEB 3209          | Lab |
| 0102 | Gilmer Blankenship  | Seats (Total: 15) |     |
|      | M 10:00am - 10:50am | EGR 2116          |     |
|      | W 2:00pm - 4:50pm   | KEB 3209          | Lab |

## ENEE408L Capstone Design Project; Electric Guitar Design

Credits: 3 Grading Method: Regular

*Culmination of prior course work in electrical and computer engineering Utilization of modern design tools and methodologies for the design of components or systems under realistic constraints, with particular emphasis on teamwork and oral/written communication. Areas in which projects are currently offered include: microprocessor-based systems, digital systems, VLSI design (both digital and mixed-signal), and optical systems.*

Prerequisites: ENEE205, ENEE245, ENEE303, ENEE307. Electrical or Computer Engineering majors in their final year of their program. Restriction: Permission of Electrical & Computer Engineering Department required. Modern electric guitars contain both EE and CE components; the fundamentals are EE-based, but an increasing number of current designs incorporate CE-based concepts such as active digital control circuits, digital signal processors, and many embedded digital effects units. This class will teach the skills necessary for good product design and development in the real world, using as a motivating example the electric guitar, and integrating computer-engineering skills and concepts.

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0101 | Bruce Jacob         | Seats (Total: 12) |     |
|      | W 10:00am - 10:50am | AVW 1424          |     |
|      | W 11:00am - 1:50pm  | AVW 1424          | Lab |

## ENEE411 Advanced Analog and Digital Electronics

(Perm req)

Credits: 3 Grading Method: Regular

*Prerequisite: Minimum grade of C- in ENEE303. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer) ; and must have permission of the department. Credit only granted for: ENEE411 or ENEE419A. Formerly: ENEE419A.*

*Examination of analog and digital device models for analysis, design, and simulation of transistor level electronic circuits, emphasizing Metal Oxide Silicon Field Effect Transistors (MOSFETs); fundamental single transistor configurations; frequency response, feedback, and stability of multi-transistor circuits, such as current mirrors, differential amplifiers, voltage references, operational amplifiers and data converters; complementary Metal Oxide Silicon (CMOS) implementations of static and clocked digital as well as mixed signal circuits.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Pamela Abshire     | Seats (Total: 30) |
|      | MW 3:30pm - 4:45pm | EGR 0135          |

## **ENEE416 Integrated Circuit Fabrication Laboratory**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: Minimum grade of C- in ENEE303; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Formerly: ENEE419J.*

*Characterization of wafers and fabrication steps. Oxide growth, lithography, dopant diffusion, and metal deposition and patterning will be discussed in the lectures and carried out in the lab in fabricating NMOS transistor circuits. The transistor characteristics will be measured and related to the fabrication parameters.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Reza Ghodssi         | Seats (Total: 5)  |
|      | Th 11:00am - 12:15pm | JMP 1109          |
|      | Tu 9:00am - 12:00pm  | KEB 2300      Lab |
| 0102 | Reza Ghodssi         | Seats (Total: 5)  |
|      | Th 11:00am - 12:15pm | JMP 1109          |
|      | W 12:30pm - 3:30pm   | KEB 2300      Lab |
| 0103 | Reza Ghodssi         | Seats (Total: 5)  |
|      | Th 11:00am - 12:15pm | JMP 1109          |
|      | M 12:30pm - 3:30pm   | KEB 2300      Lab |
| 0104 | Reza Ghodssi         | Seats (Total: 5)  |
|      | Th 11:00am - 12:15pm | JMP 1109          |
|      | W 9:00am - 12:00pm   | KEB 2300      Lab |
| 0105 | Reza Ghodssi         | Seats (Total: 5)  |
|      | Th 11:00am - 12:15pm | JMP 1109          |
|      | F 9:00am - 12:00pm   | KEB 2300      Lab |

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**ENEE420      Communication Systems**

(Perm req)

Credits: 3                      Grading Method: Regular

*Prerequisite: ENEE324; and completion of all lower-division technical courses in the EE curriculum.*

*Fourier series, Fourier transforms and linear system analysis; random signals, autocorrelation functions and power spectral densities; analog communication systems: amplitude modulation, single-sideband modulation, frequency and phase modulation, sampling theorem and pulse-amplitude modulation; digital communication systems pulse-code modulation, phase-shift keying, differential phase shift keying, frequency shift keying; performance of analog and digital communication systems in the presence of noise.*

ENEE majors (09090) only.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Sennur Ulukus       | Seats (Total: 30) |
|      | MW 12:30pm - 1:45pm | CHE 2136          |

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**ENEE425      Digital Signal Processing**

(Perm req)

Credits: 3                      Grading Method: Regular

*Prerequisite: ENEE322; and completion of all lower-division technical courses in the EE curriculum.*

*Sampling as a modulation process; aliasing; the sampling theorem; the Z-transform and discrete-time system analysis; direct and computer-aided design of recursive and nonrecursive digital filters; the Discrete Fourier Transform (DFT) and Fast Fourier Transform (FFT); digital filtering using the FFT; analog-to-digital and digital-to analog conversion; effects of quantization and finite-word-length arithmetic.*

ENEE majors (09090) only.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Raghuveer Rao        | Seats (Total: 40) |
|      | MW 11:00am - 12:15pm | HBK 0109          |

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**ENEE428      Communications Design Laboratory**

(Perm req)

Credits: 2                      Grading Method: Regular

*EE capstone design course. Exploring the signal processing and communication systems theoretical concepts presented in ENEE 420 Communication Systems and ENEE 425 Digital Signal Processing by implementing them on actual DSP based hardware in real time.*

Prerequisite: ENEE324; Corequisite: ENEE425 or ENEE420. This course explores the signal processing and communication system theoretical concepts presented in ENEE 322 Signals and Systems, ENEE 324 Engineering Probability, ENEE 420 Communication Systems, and ENEE 425 Digital Signal Processing by implementing them on actual hardware in real time. In the process, students gain experience using equipment commonly used in industry, such as, oscilloscopes, spectrum analyzers, error rate test sets, channel simulators, digital signal processors, analog-to-digital and digital-to-analog converters, and signal generators. The experiments are based on using a Texas Instruments TMS320C6713 DSP Starter Kit (DSK) stand-alone board that communicates with the PC through a USB port.

|      |                     |                  |     |
|------|---------------------|------------------|-----|
| 0101 | Steven Tretter      | Seats (Total: 8) |     |
|      | W 10:00am - 10:50am | EGR 1110         |     |
|      | F 9:00am - 12:00pm  | AVW 1366         | Lab |
| 0102 | Steven Tretter      | Seats (Total: 8) |     |
|      | W 10:00am - 10:50am | EGR 1110         |     |
|      | W 2:00pm - 5:00pm   | AVW 1366         | Lab |

#### ENEE440      **Microprocessors**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: ENEE350; and completion of all lower division technical courses in the EE curriculum.*

*Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).*

*Microprocessor architectures, instruction sets, and applications. Bus structures, memory, I/O interfacing. Assembly language programming, LSI device configuration, and the embedding of microprocessors in systems.*

ENEE majors only (09090).

|      |                        |                   |  |
|------|------------------------|-------------------|--|
| 0101 | William Hawkins        | Seats (Total: 35) |  |
|      | TuTh 11:00am - 12:15pm | EGR 3106          |  |

#### ENEE445      **Computer Laboratory**

(Perm req)

Credits: 2      Grading Method: Regular

*Prerequisite: Minimum grade of C- in ENEE205; or minimum grade of C- in ENEE206. And minimum grade of C- in ENEE350; and must have earned a minimum grade of regular (letter) C- in all 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).*



*This laboratory course focuses on the hardware/software interface in computer systems. Hand-on experiments are used to teach design, construction, analysis, and measurement of both hardware and software for embedded systems. Projects emphasize using microcontrollers for control, sensing, and communication through various I/O devices.*

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0101 | William Hawkins     | Seats (Total: 12) |     |
|      | Tu 12:30pm - 1:20pm | EGR 3114          |     |
|      | Th 2:00pm - 5:00pm  | AVW 1454          | Lab |

## **ENEE446 Digital Computer Design**

(Perm req)

Credits: 3 Grading Method: Regular

*Prerequisite: ENEE350; and completion of all lower-division technical courses in the EE curriculum.*

*Restriction: Permission of ENGR-Electrical & Computer Engineering department. Credit only granted for: ENEE446 or CMSC411.*

*Hardware design of digital computers. Arithmetic and logic units, adders, multipliers and dividers. Floating-point arithmetic units. Bus and register structures. Control units, both hardwired and microprogrammed. Index registers, stacks, and other addressing schemes. Interrupts, DMA and interfacing.*

ENEE majors (09090) only.

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 0101 | Manoj Franklin     | Seats (Total: 60) |  |
|      | MW 2:00pm - 3:15pm | SYM 0200          |  |

## **ENEE457 Computer Systems Security**

(Perm req)

Credits: 3 Grading Method: Regular

*Prerequisite: Minimum grade of C- in ENEE350; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer) ; and permission of ENGR-Electrical & Computer Engineering department. Credit only granted for: CMSC414, ENEE459C or ENEE457. Formerly: ENEE459C.*

*Theoretical and practical aspects of computer systems security. Topics covered include symmetric/asymmetric encryption, message authentication, digital signatures, access control, as well as network security, web security and cloud security. Students acquire tools necessary for designing secure computer systems and programs and for defending against malicious threats (e.g., viruses, worms, denial of service).*

|      |                      |                   |  |
|------|----------------------|-------------------|--|
| 0101 | Dana Dachman-Soled   | Seats (Total: 55) |  |
|      | MW 11:00am - 12:15pm | EGR 1108          |  |

**ENEE459A Topics in Computer Engineering; CAD Tools**

(Perm req)

Credits: 1      Grading Method: Regular

*Selected topics of current importance in computer engineering.*

Prerequisite: ENEE245 Verilog or VHDL hardware description languages (HDLs) and graphical printed circuit design CAD packages are used to create a digital system implemented on a printed circuit-board. A practical design for hardware incorporating a processor and interface devices is to be created by the student. Simulation is used to explore practical issues of system performance and device resource constraints, and a printed-circuit board proof-of-concept will be produced by the student.

|      |   |                   |
|------|---|-------------------|
| 0101 | William Hawkins                               | Seats (Total: 12) |
|      | Tu 9:30am - 10:20am                           | EGR 3114          |
|      | Contact instructor or department for details. |                   |
| 0201 | William Hawkins                               | Seats (Total: 12) |
|      | Th 12:30pm - 1:45pm                           | EGR 3114          |
|      | Contact instructor or department for details. |                   |

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**ENEE459B Topics in Computer Engineering; Reverse Engineering and Hardware Security Laboratory**

(Perm req)

Credits: 3      Grading Method: Regular

*Selected topics of current importance in computer engineering.*

Prerequisite: ENEE244, ENEE245, and ENEEE350 or permission of the instructor.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Gang Qu            | Seats (Total: 24) |
|      | Tu 5:00pm - 6:15pm | KEB 1110          |
|      | Th 5:00pm - 7:00pm | AVW 2446      Lab |
| 0102 | Gang Qu            | Seats (Total: 24) |
|      | Tu 5:00pm - 6:15pm | KEB 1110          |
|      | W 5:00pm - 7:00pm  | AVW 2446      Lab |

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**ENEE459I Topics in Computer Engineering; Introduction to Cyber-Physical Systems**

(Perm req)

Credits: 3      Grading Method: Regular

*Selected topics of current importance in computer engineering.*

Prerequisite: ENEE350, ENEE322. Also offered as ENEE759I. Credit granted for ENEE459I or ENEE759I. Modeling, design, and verification of cyber-physical systems. Students will learn how to design embedded software algorithms that interact with physical processes to satisfy desired specifications. Topics covered include models of computation, specifications, temporal logic, reachability analysis, model checking, and execution time analysis. The course is accompanied by a set of labs and semester-long projects to give hands-on experience on the covered material.

|      |   |                   |
|------|---|-------------------|
| 0101 | Yasser Shoukry                                | Seats (Total: 24) |
|      | TuTh 2:00pm - 3:15pm                          | ITV 1111          |
|      | Contact instructor or department for details. |                   |

## ENEE460 Control Systems

(Perm req)

Credits: 3 Grading Method: Regular

*Prerequisite: ENEE322; and completion of all lower-division technical courses in the EE curriculum. Restriction: Must be in Engineering: Electrical program.*

*Mathematical models for control system components. Transform and time domain methods for linear control systems. Introductory stability theory. Root locus, bode diagrams and Nyquist plots. Design specifications in the time and frequency domains. Compensation design in the time and frequency domain. Introduction to sampled data systems.*

ENEE majors (09090) only.

|      |                        |                     |
|------|------------------------|---------------------|
| 0101 | Steven Marcus          | Seats (Total: 30)   |
|      | TuTh 11:00am - 12:15pm | CSI 2118            |
|      | F 9:00am - 9:50am      | CSI 2118 Discussion |

## ENEE474 Power Systems

(Perm req)

Credits: 3 Grading Method: Regular

*Prerequisite: ENEE322; and completion of all lower-division technical courses in the EE curriculum.*

*Interconnected power systems, transmission lines, load flow studies, unit commitment and economic dispatch. Three phase networks, machine models. Symmetrical components, fault analysis and unbalanced operation. Power system transients, stability and numerical methods in power system analysis.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Isaak Mayergoyz      | Seats (Total: 75) |
|      | TuTh 2:00pm - 3:15pm | KEB 1110          |

## ENEE476 Renewable Energy

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: Minimum grade of C- in ENEE303; and completion of all lower-divisions ENEE courses with a C- or better. Restriction: Permission of ENGR-Electrical & Computer Engineering department; and must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE419R or ENEE476. Formerly: ENEE419R.*

*Solar Energy Conversion Systems: History of Photovoltaic (PV) Systems, PV Cell, Module and Array Models and Equivalent Circuits, Characteristic Resistance, Fill Factor, Effects of Parasitic Resistances, Mismatch Effects, Shading, Bypass Diodes, Sun Tracking Systems, Maximum Power Point Tracking (MPPT) Techniques, Isolated and Non-isolated Switch-mode DC/DC for PV Systems, Inverter Design and Control, Sizing the PV Panel and Battery Pack in PV Applications. Wind Energy Conversion Systems: Introduction to Wind Energy Harvesting, Horizontal and Vertical Wind Systems, Fundamentals of Wind Energy Harvesting Systems, Variable Speed and Fixed Speed Wind Energy Conversion Systems (WECS), Wind Turbines and Different Electrical Machines in Wind Applications, Induction Machine and Dynamic Model of Induction Machines, Synchronous Generators and Dynamic Model of SG, Control of Wind Energy Conversion Systems.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Alireza Khaligh    | Seats (Total: 59) |
|      | MW 3:30pm - 4:45pm | EGR 1108          |

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## ENEE488

### Independent Study in Electrical and Computer Engineering

(Perm req)

Credits: 1-3

Grading Method: Regular

*The purpose is to provide students with an opportunity for independent study projects on advanced electrical and computer engineering topics. These projects typically involve academic investigations of technical themes that are not addressed in the established elective and special topics courses taught by the department on a regular basis. Study plans are tailored to students educational goals but are approved and supervised by faculty.*

Prerequisite: permission of department.

|      |   |                  |
|------|---|------------------|
| 1301 | Perinkulam Krishnaprasad                      | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |
| 1501 | William Levine                                | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |
| 1801 | Robert Newcomb                                | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |
| 2801 | Donald Yeung                                  | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |

|      |   |                   |
|------|---|-------------------|
| 4201 | Romel Gomez                                   | Seats (Total: 3)  |
|      | Contact instructor or department for details. |                   |
| 5301 | Julius Goldhar                                | Seats (Total: 5)  |
|      | Contact instructor or department for details. |                   |
| 5601 | Jonathan Simon                                | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 6901 | Neil Goldsman                                 | Seats (Total: 3)  |
|      | Contact instructor or department for details. |                   |
| 7001 | Wesley Lawson                                 | Seats (Total: 5)  |
|      | Contact instructor or department for details. |                   |
| 9801 | Jeremy Munday                                 | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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### **ENEE489I      Topics in Electrophysics; Solar Energy Conversion**

(Perm req)

Credits: 3                      Grading Method: Regular

*Selected topics of current importance in electrophysics.*

Prerequisite: Completion of MATH241, MATH246, PHYS270/271, ENEE313, and ENEE381; or permission of Department. This course is designed to provide a fundamental understanding of energy conversion processes from solar illumination. The beginning of the course will focus on traditional topics including photovoltaic solar cells and solar thermal devices. We will discuss thermodynamic limits, device physics, and the optics and photonics of such devices. The latter part course will focus on future generation techniques, including multijunction and multi-exciton generation, as well as more speculative conversion processes, such as rectifying antennas.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Jeremy Munday       | Seats (Total: 30) |
|      | MW 12:30pm - 1:45pm | EGR 0135          |

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### **ENEE490      Physical Principles of Wireless Communications**

(Perm req)

Credits: 3                      Grading Method: Regular

*Prerequisite: ENEE381. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Credit only granted for: ENEE490 or ENEE498B. Formerly: ENEE498B.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Sergio Picozzi       | Seats (Total: 25) |
|      | TuTh 2:00pm - 3:15pm | CSI 2107          |

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**ENEE499 Senior Projects in Electrical and Computer Engineering**

(Perm req)

Credits: 1-5      Grading Method: Regular

*The purpose is to provide students with an opportunity to engage in independent research projects on advanced electrical and computer engineering topics. Projects are selected by students and supervised by faculty and other qualified mentors. While students may be required to acquire new skills or information in the course of completing a 499 project, the focus is to conduct an independent investigation of a technical theme by the student. The project may be used to satisfy the advanced lab requirement if it is approved as a primarily - experimental research project. In that case, the student will enroll in ENEE499L.*

ENEE majors (09090) only.

**Contact department for information to register for this course.**

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**ENEE499L Senior Projects in Electrical and Computer Engineering**

(Perm req)

Credits: 1-3      Grading Method: Regular

*The purpose is to provide students with an opportunity to engage in independent research projects on advanced electrical and computer engineering topics. Projects are selected by students and supervised by faculty and other qualified mentors. While students may be required to acquire new skills or information in the course of completing a 499 project, the focus is to conduct an independent investigation of a technical theme by the student. The project may be used to satisfy the advanced lab requirement if it is approved as a primarily - experimental research project. In that case, the student will enroll in ENEE499L.*

**Contact department for information to register for this course.**

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**ENEE499R Senior Projects in Electrical and Computer Engineering**

(Perm req)

Credits: 1-3      Grading Method: Regular

*The purpose is to provide students with an opportunity to engage in independent research projects on advanced electrical and computer engineering topics. Projects are selected by students and supervised by faculty and other qualified mentors. While students may be required to acquire new skills or information in the course of completing a 499 project, the focus is to conduct an independent investigation of a technical theme by the student. The project may be used to satisfy the advanced lab requirement if it is approved as a primarily - experimental research project. In that case, the student will enroll in ENEE499L.*

**Contact department for information to register for this course.**

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**ENEE600 Solid State Electronics**

Credits: 3      Grading Method: Regular,  
Audit

*Properties of crystals; energy bands: electron transport theory; conductivity and hall effect; statistical distributions; fermi level: impurities; non-equilibrium carrier distributions; normal modes of lattice vibration and thermal properties of crystals; tunneling phenomena; surface properties.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Agisilaos Iliadis    | Seats (Total: 25) |
|      | TuTh 2:00pm - 3:15pm | EGR 3114          |

**ENEE610      Electrical Network Theory**

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: Must have completed undergraduate-level Circuit Theory; or permission of instructor.*

*Matrix algebra, network elements, ports, passivity and activity, geometrical and analytical descriptions of networks, state variable characterizations, scattering matrices, signal flow graphs, sensitivity.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Robert Newcomb       | Seats (Total: 30) |
|      | TuTh 3:30pm - 4:45pm | EGR 3106          |

**ENEE614      Radio Frequency VLSI Circuit Design**

Credits: 3      Grading Method: Regular,  
Audit

*Recommended: ENEE611.*

*This course will give students the knowledge required to analyze, design and lay-out discrete and integrated circuits used in modern radio frequency communications. The course will focus on advanced amplifier concepts, frequency conversion, tuning, and low-noise techniques. Implementation of AM, FM and digital modulation techniques will be covered. Emphasis will be given to CMOS technology as applied to analog VLSI. Advanced applications of SPICE and VLSI design layout tools will be covered.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Neil Goldsman      | Seats (Total: 25) |
|      | MW 2:00pm - 3:15pm | EGR 3114          |

**ENEE620      Random Processes in Communication and Control**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ENEE324; or students who have taken courses with comparable content may contact the department.*

*Introduction to random processes: characterization, classification, representation; Gaussian and other examples. Linear operations on random processes, stationary processes: covariance function and spectral density. Linear least square waveform estimating Wiener-Kolmogoroff filtering, Kalman-Bucy recursive filtering: function space characterization, non-linear operations on random processes.*

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0101 | Armand Makowski       | Seats (Total: 30) |            |
|      | TuTh 12:30pm - 1:45pm | EGR 1108          |            |
|      | F 11:00am - 11:50am   | CSI 2118          | Discussion |

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### **ENEE630      Advanced Digital Signal Processing**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: ENEE425. Corequisite: ENEE620. Credit only granted for: ENEE624 or ENEE630. Formerly: ENEE624.*

*This is the first-year graduate course in signal processing. The objective is to establish fundamental concepts of signal processing on multirate processing, parametric modeling, linear prediction theory, modern spectral estimation, and high-resolution techniques.*

|      |                    |                   |            |
|------|--------------------|-------------------|------------|
| 0101 | KJ Ray Liu         | Seats (Total: 40) |            |
|      | MW 3:30pm - 4:45pm | ANS 0412          |            |
|      | Tu 5:00pm - 5:50pm | KEB 1200          | Discussion |

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### **ENEE633      Statistical Pattern Recognition**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: MATH461; or students who have taken courses with comparable content may contact the department; or permission of instructor. Corequisite: ENEE620; or permission of instructor. Credit only granted for: ENEE633 or ENEE739Q. Formerly: ENEE739Q.*

*The goal is to introduce mathematical pattern analysis and recognition. Emphasis is given to parametric and non-parametric statistical pattern recognition methods and clustering with applications to speech, image and video recognition.*

|      |                      |                   |  |
|------|----------------------|-------------------|--|
| 0101 | Ramalingam Chellappa | Seats (Total: 75) |  |
|      | MW 11:00am - 12:15pm | ATL 1113          |  |

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### **ENEE641      Mathematical Foundations for Computer Engineering**

Credits: 3                      Grading Method: Regular,  
   Audit



Credit only granted for: ENEE641 or ENEE759F. Formerly: ENEE759F.

*Mathematical modeling, design, analysis and proof techniques related to computer engineering. Probability, logic, combinatorics, set theory, and graph theory, as they pertain to the design and performance of computer engineering systems. Techniques for the design and analysis of efficient computational methods from graph theory and networks. Understanding of the limits on the efficiency of such computational methods. Translation from mathematical theory to actual programming. The course emphasizes mathematical rigor.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Uzi Vishkin         | Seats (Total: 50) |
|      | MW 12:30pm - 1:45pm | ATL 2428          |

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## **ENEE646      Digital Computer Design**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: ENEE446; or students who have taken courses with comparable content may contact the department.*

*Concepts and techniques for design of computer systems with improved performance. Advanced I/O systems, memory organization, pipelined and parallel processors, bus bandwidth, processor/memory interconnections, cache memory, virtual memory, multiprocessors, performance evaluation.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Bruce Jacob          | Seats (Total: 45) |
|      | TuTh 2:00pm - 3:15pm | ATL 2428          |

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## **ENEE657      Computer Security**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: ENEE457 or CMSC414; or students who have taken courses with comparable content may contact the department.*

*An introduction to the principles of building secure systems. Topics include operating system (OS) security, secure network communications, software security, real-world attacks, applied cryptography, and hardware security. Within these topics, the course emphasizes the cross-cutting concerns of attacks, defenses and measurement.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Tudor Dumitras     | Seats (Total: 50) |
|      | MW 3:30pm - 4:45pm | PHY 1204          |

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## **ENEE660      System Theory**

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: ENEE460 and MATH463; or students who have taken courses with comparable content may contact the department.*

*General systems models. State variables and state space. Linearity and its implications. Controllability and observability. State space structure and representation. Realization theory and algorithmic solutions. Parameterizations of linear systems; canonical forms. Basic results from stability theory. Stabilizability. Fine structure of linear multivariable systems; minimal indices and polynomial matrices. Interplay between frequency domain and state space.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | John Baras          | Seats (Total: 30) |
|      | MW 12:30pm - 1:45pm | EGR 2154          |

**ENEE662      Convex Optimization**

Credits: 3      Grading Method: Regular,  
Audit

*Recommended: MATH410. Credit only granted for: ENEE759F or ENEE662.*

*Focuses on recognizing, solving, and analyzing convex optimization problems. Convex sets, convex functions, convex and quasi-convex optimization problems. Duality theory and optimality conditions. Specific classes of problems including linear optimization (LP), semi-definite optimization (SDP), geometric programming. Algorithms for unconstrained and constrained optimization; interior-point methods. Applications in controls, communications, signal processing, statistics, and other areas.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Richard La         | Seats (Total: 40) |
|      | MW 2:00pm - 3:15pm | CHM 1224          |

**ENEE680      Electromagnetic Theory I**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ENEE381; or students who have taken courses with comparable content may contact the department.*

*Theoretical analysis and engineering applications of Maxwell's equations. Boundary value problems of electrostatics and magnetostatics.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Mohammad Hafezi    | Seats (Total: 25) |
|      | MW 3:30pm - 4:45pm | ATL 2316          |

**ENEE690      Quantum and Wave Phenomena with Electrical Application**

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: ENEE381; or students who have taken courses with comparable content may contact the department.*

*Introduction of quantum and wave phenomena from electrical engineering point of view. Topics included: general principles of quantum mechanics, operator algebra, the microwave resonant cavity and the analogous potential well problem, harmonic oscillator, hydrogenic atom. Perturbation method applied to the transmission line and potential well problems. Periodically loaded transmission line and Kronig-Penny model of band theory.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Edo Waks              | Seats (Total: 30) |
|      | TuTh 12:30pm - 1:45pm | CSI 2118          |

**ENEE698C      Graduate Seminar: Controls**

Credits: 1-2      Grading Method: Regular,  
Audit, Sat-Fail

*Every semester regular seminars are held in electrical science and in the six areas of specialization offered by the electrical engineering department. They may be taken, by arrangement with the student's advisor, for repeated credit.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Steven Marcus      | Seats (Total: 20) |
|      | Th 2:00pm - 4:00pm | AVW 2168          |

**ENEE698E Graduate Seminar; Microelectronics**

Credits: 1-2      Grading Method: Regular,  
Audit, Sat-Fail

*Every semester regular seminars are held in electrical science and in the six areas of specialization offered by the electrical engineering department. They may be taken, by arrangement with the student's advisor, for repeated credit.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Robert Newcomb     | Seats (Total: 20) |
|      | Tu 5:00pm - 5:50pm | EGR 1110          |

**ENEE698Q Graduate Seminar; Colloquium Series**

Credits: 1      Grading Method: Regular

*Every semester regular seminars are held in electrical science and in the six areas of specialization offered by the electrical engineering department. They may be taken, by arrangement with the student's advisor, for repeated credit.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Ramalingam Chellappa | Seats (Total: 80) |
|      | F 3:30pm - 4:30pm    | KEB 1110          |

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**ENEE698T Graduate Seminar; Intellectual Property Seminar for Engineers and Management**

Credits: 1                      Grading Method: Regular,  
Audit, Sat-Fail

*Every semester regular seminars are held in electrical science and in the six areas of specialization offered by the electrical engineering department. They may be taken, by arrangement with the student's advisor, for repeated credit.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Michael Oblon      | Seats (Total: 30) |
|      | Tu 6:15pm - 8:15pm | EGR 2116          |

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**ENEE699 Independent Studies in Electrical Engineering**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Audit

*Supervised individual study or project, or supervised group study or project, at an advanced level, in electrical engineering.*

**Contact department for information to register for this course.**

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**ENEE759I Advanced Topics in Computer Engineering; Introduction to Cyber-Physical Systems**

Credits: 3                      Grading Method: Regular,  
Audit

*Topics, as announced every semester, from the field of computer engineering and its applications.*

Prerequisite: ENEE350, ENEE322. Also offered as ENEE759I. Credit granted for ENEE459I or ENEE759I. Modeling, design, and verification of cyber-physical systems. Students will learn how to design embedded software algorithms that interact with physical processes to satisfy desired specifications. Topics covered include models of computation, specifications, temporal logic, reachability analysis, model checking, and execution time analysis. The course is accompanied by a set of labs and semester-long projects to give hands-on experience on the covered material.

|      |   |                   |
|------|---|-------------------|
| 0101 | Yasser Shoukry                                | Seats (Total: 24) |
|      | TuTh 2:00pm - 3:15pm                          | ITV 1111          |
|      | Contact instructor or department for details. |                   |

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**ENEE765 Adaptive Control**

Credits: 3                      Grading Method: Regular,  
Audit

*General principles of adaptive control. Self-tuning regulators and mode reference adaptive systems. Theoretical issues: stability, convergence, and robustness. Practical issues: implementation, computation, auto-tuning, and other successful application. Alternatives to adaptive control.*

|      |                          |                   |
|------|--------------------------|-------------------|
| 0101 | Perinkulam Krishnaprasad | Seats (Total: 25) |
|      | TuTh 5:00pm - 6:15pm     | CSI 2118          |

**ENEE769E      Advanced Topics in Controls; Game Theory: Dynamic and Evolutionary**

Credits: 3      Grading Method: Regular,  
Audit

*Topics selected, as announced every semester, from the field of controls and its applications.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Nuno Martins       | Seats (Total: 20) |
|      | MW 3:30pm - 4:45pm | CHM 1224          |

**ENEE789C      Advanced Topics in Electrophysics; Solar Energy Conversion**

Credits: 3      Grading Method: Regular,  
Audit

*Topics selected, as announced every semester, from the field of electrophysics and its applications.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Jeremy Munday       | Seats (Total: 10) |
|      | MW 12:30pm - 1:45pm | EGR 0135          |

**ENEE7890      Advanced Topics in Electrophysics**

Credits: 3      Grading Method: Regular,  
Audit

*Topics selected, as announced every semester, from the field of electrophysics and its applications.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Edward Ott           | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm | CSI 2118          |

**ENEE799      Master's Thesis Research**

(Perm req) Credits: 1-6 Grading Method: Sat-Fail

**Contact department for information to register for this course.**

**ENEE889 Teaching Workshop**

(Perm req)

Credits: 1      Grading Method: Sat-Fail

*Provide training in education for senior PhD students who contemplate a academic career, and give them the opportunity to gain some teaching experience. Emphasis is on issues that are of special importance in electrical and computer engineering education.*

**Contact department for information to register for this course.****ENEE898 Pre-Candidacy Research**

(Perm req)

Credits: 1-8      Grading Method: Regular, Sat-Fail

*Provide training in education for senior PhD students who contemplate a academic career, and give them the opportunity to gain some teaching experience. Emphasis is on issues that are of special importance in electrical and computer engineering education.*

**Contact department for information to register for this course.****ENEE899 Doctoral Dissertation Research**

(Perm req)

Credits: 6      Grading Method: Sat-Fail

**Contact department for information to register for this course.**

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**ENES Engineering Science****Fall 2017****ENES100 Introduction to Engineering Design**

(Perm req)

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: PS      General Education: DSSP

*Corequisite: MATH140.*

*Students work as teams to design and build a product using computer software for word-processing, spreadsheet, CAD, and communication skills.*

Credit granted for ENES100 or ENES100A.

|      |   |                   |
|------|---|-------------------|
| 0101 | Evandro Valente                               | Seats (Total: 34) |
|      | MW 8:00am - 9:50am                            | JMP 1215          |
|      | Class time/details on ELMs                    | ONLINE            |
|      | Contact instructor or department for details. |                   |
| 0301 | Liangbing Hu                                  | Seats (Total: 40) |
|      | MW 10:00am - 11:50am                          | JMP 1116          |
|      | Class time/details on ELMs                    | ONLINE            |
|      | Contact instructor or department for details. |                   |

|      |   |   |
|------|---|---|
| 0302 | Evandro Valente<br>MW 10:00am - 11:50am<br>Class time/details on ELMs<br>Contact instructor or department for details.      | Seats (Total: 38)<br>JMP 1215<br>ONLINE |
| 0401 | Michael Galczynski<br>TuTh 10:00am - 11:50am<br>Class time/details on ELMs<br>Contact instructor or department for details. | Seats (Total: 40)<br>JMP 1116<br>ONLINE |
| 0402 | Ayush Gupta<br>TuTh 10:00am - 11:50am<br>Class time/details on ELMs<br>Contact instructor or department for details.        | Seats (Total: 38)<br>JMP 1215<br>ONLINE |
| 0501 | John Cumings<br>MW 12:00pm - 1:50pm<br>Class time/details on ELMs<br>Contact instructor or department for details.          | Seats (Total: 38)<br>JMP 1116<br>ONLINE |
| 0502 | Evandro Valente<br>MW 12:00pm - 1:50pm<br>Class time/details on ELMs<br>Contact instructor or department for details.       | Seats (Total: 39)<br>JMP 1215<br>ONLINE |
| 0601 | Patrick McAvoy<br>TuTh 12:00pm - 1:50pm<br>Class time/details on ELMs<br>Contact instructor or department for details.      | Seats (Total: 38)<br>JMP 1116<br>ONLINE |
| 0602 | Brian Phillips<br>TuTh 12:00pm - 1:50pm<br>Class time/details on ELMs<br>Contact instructor or department for details.      | Seats (Total: 40)<br>JMP 1215<br>ONLINE |
| 0701 | Peter Sunderland<br>MW 2:00pm - 3:50pm<br>Class time/details on ELMs<br>Contact instructor or department for details.       | Seats (Total: 38)<br>JMP 1116<br>ONLINE |
| 0702 | Kristen Hines<br>MW 2:00pm - 3:50pm<br>Class time/details on ELMs<br>Contact instructor or department for details.          | Seats (Total: 38)<br>JMP 1215<br>ONLINE |

|      |   |                   |
|------|---|-------------------|
| 0801 | Wesley Lawson                                 | Seats (Total: 38) |
|      | TuTh 2:00pm - 3:50pm                          | JMP 1116          |
|      | Class time/details on ELMs                    | ONLINE            |
|      | Contact instructor or department for details. |                   |
| 0802 | Romel Gomez                                   | Seats (Total: 40) |
|      | TuTh 2:00pm - 3:50pm                          | JMP 1215          |
|      | Class time/details on ELMs                    | ONLINE            |
|      | Contact instructor or department for details. |                   |

## ENES100A

### Introduction to Engineering Design

(Perm req)

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: PS      General Education: DSSP

*Corequisite: MATH140.*

*Students work as teams to design and build a product using computer software for word-processing, spreadsheet, CAD, and communication skills.*

|      |   |                  |
|------|---|------------------|
| 0101 | Evandro Valente                               | Seats (Total: 6) |
|      | MW 8:00am - 9:50am                            | JMP 1215         |
|      | Class time/details on ELMs                    | ONLINE           |
|      | Contact instructor or department for details. |                  |
| 0302 | Evandro Valente                               | Seats (Total: 2) |
|      | MW 10:00am - 11:50am                          | JMP 1215         |
|      | Class time/details on ELMs                    | ONLINE           |
|      | Contact instructor or department for details. |                  |
| 0402 | Ayush Gupta                                   | Seats (Total: 2) |
|      | TuTh 10:00am - 11:50am                        | JMP 1215         |
|      | Class time/details on ELMs                    | ONLINE           |
|      | Contact instructor or department for details. |                  |
| 0501 | John Cumings                                  | Seats (Total: 2) |
|      | MW 12:00pm - 1:50pm                           | JMP 1116         |
|      | Class time/details on ELMs                    | ONLINE           |
|      | Contact instructor or department for details. |                  |
| 0502 | Evandro Valente                               | Seats (Total: 1) |
|      | MW 12:00pm - 1:50pm                           | JMP 1215         |
|      | Class time/details on ELMs                    | ONLINE           |
|      | Contact instructor or department for details. |                  |



|      |  |  |
|------|--|--|
| 0601 | Patrick McAvoy<br>TuTh 12:00pm - 1:50pm<br>Class time/details on ELMs<br>Contact instructor or department for details. | Seats (Total: 2)<br>JMP 1116<br>ONLINE |
| 0701 | Peter Sunderland<br>MW 2:00pm - 3:50pm<br>Class time/details on ELMs<br>Contact instructor or department for details.  | Seats (Total: 2)<br>JMP 1116<br>ONLINE |
| 0702 | Kristen Hines<br>MW 2:00pm - 3:50pm<br>Class time/details on ELMs<br>Contact instructor or department for details.     | Seats (Total: 2)<br>JMP 1215<br>ONLINE |
| 0801 | Wesley Lawson<br>TuTh 2:00pm - 3:50pm<br>Class time/details on ELMs<br>Contact instructor or department for details.   | Seats (Total: 2)<br>JMP 1116<br>ONLINE |

## ENES102

(Perm req)

## Mechanics I

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Corequisite: MATH140. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Formerly: ENES110.*

*The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, friction, stress/strain, material properties. Vector and scalar methods are used to solve problems.*

|      |  |   |            |
|------|--|---|------------|
| 0101 | Thomas Beigel<br>MW 9:00am - 9:50am<br>F 9:00am - 10:50am            | Seats (Total: 57)<br>EGR 1108<br>EGR 1108 | Discussion |
| 0102 | Michael Galczynski<br>MW 11:00am - 11:50am<br>F 11:00am - 12:50pm    | Seats (Total: 53)<br>ATL 2428<br>SPH 1302 | Discussion |
| 0104 | Jackelyn Lopez Roshwalb<br>TuTh 1:00pm - 1:50pm<br>F 1:00pm - 2:50pm | Seats (Total: 57)<br>CHE 2110<br>SPH 1303 | Discussion |

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0106 | Chandrasekhar Thamire | Seats (Total: 55) |            |
|      | MW 1:00pm - 1:50pm    | SPH 1303          |            |
|      | F 1:00pm - 2:50pm     | SPH 1302          | Discussion |

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## ENES102H      **Mechanics I**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Corequisite: MATH140. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Formerly: ENES110.*

*The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, friction, stress/strain, material properties. Vector and scalar methods are used to solve problems.*

|      |                    |                   |            |
|------|--------------------|-------------------|------------|
| 0101 | Gary Pertmer       | Seats (Total: 53) |            |
|      | MW 9:00am - 9:50am | CHM 2201          |            |
|      | F 9:00am - 10:50am | CHM 2201          | Discussion |
| 0301 | Gary Pertmer       | Seats (Total: 50) |            |
|      | MW 2:00pm - 2:50pm | SPH 0302          |            |
|      | F 2:00pm - 3:50pm  | PHY 4221          | Discussion |

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## ENES113      **Virtus Living and Learning Community Seminar I**

Credits: 1                      Grading Method: Regular

*Restriction: Must be in first year Virtus program.*

*The seminar focuses on personal and professional development related to the field of engineering with a strong emphasis on clarifying career goals and decisions. Additional topics include an introduction to basic tools, undergraduate research opportunities, and campus and engineering resources.*

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 0101 | Michael Galczynski | Seats (Total: 65) |  |
|      | W 4:00pm - 5:30pm  | MCB 1207          |  |

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## ENES115      **FLEXUS Living and Learning Community Seminar I**

(Perm req)

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be a first year FLEXUS Participant.*

*The seminar focuses on personal and professional development related to the field of engineering with a strong emphasis on clarifying career goals and decisions. Additional topics include an introduction to campus and engineering resources, basic tools, and undergraduate research opportunities. Students will discuss issues of concern through a variety of book readings, self-reflections, and panel discussions with practicing women engineers.*

|      |  |                   |
|------|--|-------------------|
| 0101 | Elaine Petro, Shannon Felice, Julia Anderson | Seats (Total: 65) |
|      | W 4:00pm - 5:30pm                            | BPS 1243          |

## ENES140

### Discovering New Ventures

Credits: 3

Grading Method: Regular

General Education: DSSP

*Additional information: This course may count as an elective for a student at the University of Maryland, depending on the student's specific degree program. It cannot be counted towards the requirements for the Smith School of Business Entrepreneurship Fellow Program.*

*Students explore dynamic company startup topics by working in teams to design a new venture. This multi-disciplinary course helps students to learn the basic business, strategy, and leadership skills needed to launch new ventures. Topics include learning how to assess the feasibility of a startup venture, as well as how to apply best practices for planning, launching, and managing new companies. Students discuss a wide range of issues of importance and concern to entrepreneurs and learn to recognize opportunities, assess the skills and talents of successful entrepreneurs, and learn models that help them navigate uncertainty.*

|      |                            |                    |
|------|----------------------------|--------------------|
| 0101 | James Green                | Seats (Total: 275) |
|      | Class time/details on ELMs | ONLINE             |
| 0201 | James Green                | Seats (Total: 275) |
|      | Class time/details on ELMs | ONLINE             |
| 0301 | James Green                | Seats (Total: 275) |
|      | Class time/details on ELMs | ONLINE             |
| 0401 | James Green                | Seats (Total: 275) |
|      | Class time/details on ELMs | ONLINE             |
| 0501 | James Green                | Seats (Total: 275) |
|      | Class time/details on ELMs | ONLINE             |
| 0601 | James Green                | Seats (Total: 275) |
|      | Class time/details on ELMs | ONLINE             |

|      |                            |                    |
|------|----------------------------|--------------------|
| 0701 | James Green                | Seats (Total: 275) |
|      | Class time/details on ELMs | ONLINE             |
| 0801 | James Green                | Seats (Total: 275) |
|      | Class time/details on ELMs | ONLINE             |

## ENES181

### Dialogue with the Dean

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; and must be a new freshman or transfer student.*

*Introduction to Engineering as a Profession, Overview of Martin Institute and Clark School Education and Research Programs, The Future of Engineering and Engineering Education, Basic Technological Literacy, Business and Entrepreneurship Issues for Engineers, the Joy of Discovery, Student Projects: How to get involved, Research and Development Programs: How to get involved, What the corporate sector expects from a new engineering graduate.*

|      |                   |                    |
|------|-------------------|--------------------|
| 0101 | Darryll Pines     | Seats (Total: 100) |
|      | W 4:00pm - 4:50pm | KEB 1110           |

## ENES190H

### Introduction to Design and Quality

Credits: 4      Grading Method: Regular      General Education: DSSP

*Prerequisite: Must be in the Quest program. Also offered as: BMGT190. Credit only granted for: BMGT190 or ENES190.*

*Expose engineering and business students to the principles of total quality, using experiential team learning and technology aided approaches. The first of four courses in total quality.*

First course in a sequence of four Total Quality Program Courses. Restricted to QUEST Honors Program students. Also offered as ENES190H.

*A Fearless Ideas Course from the Academy for Innovation & Entrepreneurship (AIE):*  
*<http://ter.ps/iamFEARLESS> Click here for more information on the Fearless Ideas Courses.*

|      |                       |                          |
|------|-----------------------|--------------------------|
| 0101 | Pamela Armstrong      | Seats (Total: 45)        |
|      | TuTh 12:30pm - 1:45pm | ESJ 2212                 |
|      | W 7:00pm - 8:50pm     | VMH 1412      Discussion |

## ENES210

### Entrepreneurial Opportunity Analysis and Decision-Making in 21st Century Technology Ventures

Credits: 3

Grading Method: Regular

CORE: IE

General Education: DSSP,  
SCIS

*This multi-disciplinary course helps students learn the principles of entrepreneurial opportunity analysis and decision-making in an increasingly dynamic and technically-inclined society. Emphasis is placed on how aspiring technology entrepreneurs can develop their entrepreneurial perspectives to develop winning entrepreneurial plans for their future ventures.*

|      |   |                    |
|------|---|--------------------|
| 0101 | James Green   | Seats (Total: 350) |
|      | Class time/details on ELMs                            | ONLINE             |
| 0201 | James Green   | Seats (Total: 350) |
|      | Class time/details on ELMs                            | ONLINE             |
| 0301 | James Green   | Seats (Total: 350) |
|      | Class time/details on ELMs                            | ONLINE             |
| 0401 | James Green   | Seats (Total: 350) |
|      | Class time/details on ELMs                            | ONLINE             |
| 0501 | James Green   | Seats (Total: 350) |
|      | Class time/details on ELMs                            | ONLINE             |
| 0601 | James Green   | Seats (Total: 350) |
|      | Class time/details on ELMs                            | ONLINE             |
| 0701 | James Green   | Seats (Total: 350) |
|      | Class time/details on ELMs                            | ONLINE             |
| 0801 | James Green   | Seats (Total: 350) |
|      | Class time/details on ELMs                            | ONLINE             |
| FC01 | Michael Pratt   | Seats (Total: 150) |
|      | MW 3:00pm - 4:15pm                                    | MMH 1400           |
|      | <i>Restricted to students in Freshmen Connection.</i> |                    |

**ENES211****Introduction to Global Entrepreneurship**

(Perm req)

Credits: 1

Grading Method: Regular

*Examines the opportunities and challenges of entrepreneurship and innovation from an international perspective through lectures, case studies, instructors, and guest speakers with international experiences and other relevant activities. Focuses on the benefit for every entrepreneur and innovator to understand the cultural, strategic and operational aspects related to conducting entrepreneurial ventures in an international context.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Ryan Elza   | Seats (Total: 10) |
|      | <b>Meets October 15, 2017 - December 11, 2017</b> |                   |
|      | M 6:00pm - 6:50pm                                 | HJP 3120          |
|      | Class time/details on ELMs                        | ONLINE Discussion |

### **ENES213 Virtus Living and Learning Community Seminar III**

(Perm req)

Credits: 1 Grading Method: Regular

*Prerequisite: ENES113. Restriction: Must be a participant in the second year of the Virtus program.*

*The seminar focuses on personal, academic and professional success by cultivating leadership skills, developing academic and technical ability and encouraging self awareness, identifying and employing strategies for academic and professional success, further enhancing career development through networking and mentoring and developing awareness of diversity issues.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Elizabeth Kurban, Gregory Stinson             | Seats (Total: 45) |
|      | Th 4:00pm - 5:15pm                            | PHY 1402          |
| 0201 | Gregory Stinson, Elizabeth Kurban             | Seats (Total: 20) |
|      | Contact instructor or department for details. |                   |

### **ENES215 FLEXUS Living and Learning Community Seminar III**

(Perm req)

Credits: 1 Grading Method: Regular

*Prerequisite: ENES115 and ENES116. Restriction: Must be a second year FLEXUS participant.*

*The seminar focuses on personal, academic and professional success by cultivating leadership skills, developing self-confidence and self-efficacy in academic and technical ability and encouraging self awareness, identifying and employing strategies for academic and professional success, further enhancing career development through networking, mentoring and role modeling, and developing awareness of diversity issues, specifically gender diversity.*

|      |                             |                   |
|------|-----------------------------|-------------------|
| 0101 | Julia Anderson, Mary Bowden | Seats (Total: 49) |
|      | Th 4:00pm - 5:15pm          | BPS 1236          |

|      |   |                   |
|------|---|-------------------|
| 0102 | Julia Anderson, Mary Bowden                   | Seats (Total: 30) |
|      | Contact instructor or department for details. |                   |

## ENES220

(Perm req)

## Mechanics II

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; and must not be in Engineering: Electrical program.*

*Stress and deformation of solids-rods, beams, shafts, columns, tanks, and other structural, machine and vehicle members. Topics include stress transformation using Mohr's circle; shear and moment diagrams; derivation of elastic curves; and Euler's buckling formula. Design problems related to this material are given in lab.*

Prerequisite: student in the College of Engineering.

|      |                      |                          |
|------|----------------------|--------------------------|
| 0101 | Peter Chang          | Seats (Total: 50)        |
|      | MW 9:00am - 9:50am   | HBK 0115                 |
|      | F 9:00am - 10:50am   | CSI 1121      Discussion |
| 0201 | William Fourney      | Seats (Total: 60)        |
|      | MW 12:00pm - 12:50pm | ANS 0408                 |
|      | F 12:00pm - 1:50pm   | CHE 2110      Discussion |
| 0301 | Robert Bonenberger   | Seats (Total: 55)        |
|      | MW 10:00am - 10:50am | CHM 0115                 |
|      | F 10:00am - 11:50am  | EGR 0108      Discussion |
| 0401 | Thomas Beigel        | Seats (Total: 50)        |
|      | MW 2:00pm - 2:50pm   | JMP 3201                 |
|      | F 2:00pm - 3:50pm    | EGR 1108      Discussion |
| 0501 | Robert Bonenberger   | Seats (Total: 60)        |
|      | MW 1:00pm - 1:50pm   | EGR 0108                 |
|      | F 1:00pm - 2:50pm    | MCB 1207      Discussion |
| 0601 | Thomas Beigel        | Seats (Total: 60)        |
|      | MW 11:00am - 11:50am | EGR 0108                 |
|      | F 11:00am - 12:50pm  | EGR 1108      Discussion |

**ENES221****Dynamics**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering.*

*Systems of heavy particles and rigid bodies at rest and in motion. Force-acceleration, work-energy and impulse-momentum relationships. Motion of one body relative to another in a plane and in space.*

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Patrick McAvoy       | Seats (Total: 53) |            |
|      | MW 10:00am - 10:50am | CHM 2201          |            |
|      | F 10:00am - 11:50am  | KEB 1110          | Discussion |
| 0102 | Stephen Kamakaris    | Seats (Total: 50) |            |
|      | MW 10:00am - 10:50am | TYD 1132          |            |
|      | F 10:00am - 11:50am  | HBK 0115          | Discussion |
| 0103 | Patrick McAvoy       | Seats (Total: 50) |            |
|      | MW 1:00pm - 1:50pm   | TYD 1118          |            |
|      | F 1:00pm - 2:50pm    | ANS 0408          | Discussion |
| 0104 | Kevin Calabro        | Seats (Total: 50) |            |
|      | MW 12:00pm - 12:50pm | TYD 1118          |            |
|      | F 12:00pm - 1:50pm   | CSI 1121          | Discussion |
| 0107 | Kevin Calabro        | Seats (Total: 53) |            |
|      | MW 2:00pm - 2:50pm   | SKN 0104          |            |
|      | F 2:00pm - 3:50pm    | CHM 2201          | Discussion |

**ENES232****Thermodynamics**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS261 and PHYS260. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Credit only granted for: BIOE232, CHBE301, ENCH300, ENES232, ENME320, or ENME232. Formerly: ENME232 and ENME320.*

*Introduction to thermodynamics. Thermodynamic properties of matter. First and second laws of thermodynamics, cycles, reactions, and mixtures.*

|      |                    |                   |            |
|------|--------------------|-------------------|------------|
| 0101 | Kristen Hines      | Seats (Total: 63) |            |
|      | MW 9:00am - 9:50am | KEB 1200          |            |
|      | F 9:00am - 10:50am | KEB 1200          | Discussion |



|      |                    |                   |            |
|------|--------------------|-------------------|------------|
| 0301 | Raymond Sedwick    | Seats (Total: 63) |            |
|      | MW 1:00pm - 1:50pm | KEB 1200          |            |
|      | F 1:00pm - 2:50pm  | KEB 1110          | Discussion |

### ENES304 RISE Seminar

(Perm req)

Credits: 1 Grading Method: Regular

*Restriction: Must be in the Engineering RISE Leadership Program; and permission of ENGR-A. James Clark School of Engineering.*

*This is the first semester of a two semester sequence taken by RISE students in their first semester in the program. The purpose of ENES 304 is for RISE students to learn about leadership, acquire leadership skills, and understand how to integrate leadership theories and concepts in engineering practice. There will be a mix of formal lectures by course faculty and lectures by distinguished speakers who can provide their own experience of what leadership means and how it is acquired. Students will explore their own leadership philosophy and leadership capacities in the context of group practice. Students will make meaning of general leadership theories and concepts and understand how to apply them to engineering industry. Students will also gain understanding of leadership through the stories shared by distinguished speakers with industrial, governmental and academic experience.*

|      |  |                   |  |
|------|--|-------------------|--|
| 0101 | Jane Fines, Ramsey Jabaji, Christopher Davis | Seats (Total: 52) |  |
|      | Tu 5:00pm - 5:50pm                           | JMP 3201          |  |

### ENES390H Systems Thinking for Managerial Decision Making

Credits: 3 Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENES190 or BMGT190. Restriction: Must be in the QUEST program. Also offered as: BMGT390. Credit only granted for: BMGT390, BMGT498X, ENES390, or ENES498X.*

*An introduction to the theory, concepts, tools, and practices of system thinking to enhance managerial decision making. Offers a blend of theory, real-life examples, and proven methods to initiate and sustain an organization-wide reorientation towards systems thinking.*

Restricted to QUEST Honors Program students. Also offered as BMGT390H.

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 0101 | Gerald Suarez      | Seats (Total: 45) |  |
|      | MW 2:00pm - 3:15pm | ESJ 2309          |  |

### ENES397 Mentoring Design and Quality Teams

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Restricted to QUEST Program (TQMP) students. Also offered as: BMGT397. Credit only granted for: BMGT397, ENES397, or BMGT398D. Formerly: BMGT398D.*

*Practice essential skills for leading and coaching multidisciplinary teams. These include effective communications, facilitation, conflict resolution, and the ability to motivate. Students will practice these skills as mentors for student teams from BMGT/ENES 190H. In the process, they will strengthen their knowledge of design and quality techniques.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Pamela Armstrong  | Seats (Total: 16) |
|      | W 6:00pm - 8:50pm | VMH 1415          |

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#### **ENES424                      Engineering Leadership Capstone**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENES472, ENCE320, and ENES317; and permission of ENGR-A. James Clark School of Engineering. Recommended: ENES100.*

*The work initiated in the Introduction to Engineering Leadership course brings together further exploration of leadership styles and concepts.*

Restricted to students with a minor in Engineering Leadership Development.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Ramsey Jabaji      | Seats (Total: 30) |
|      | Tu 5:00pm - 7:45pm | EGR 3106          |

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#### **ENES440                      Science, Technology and Society: Certificate Program Capstone**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in the Science, Technology and Society certificate program; or permission of ENGR-A. James Clark School of Engineering. Credit only granted for: ENES440 or UNIV401. Formerly: UNIV401.*

*Capstone research seminar for students in the Science, Technology and Society certificate program.*

|      |   |                   |
|------|---|-------------------|
| 0101 | David Tomblin                                 | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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#### **ENES461                      Advanced Entrepreneurial Opportunity Analysis in Technology Ventures**

Credits: 3                      Grading Method: Regular

*Explores the factors that influence entrepreneurial opportunity analysis in technology-based ventures. Uses a cognitive theoretical framework to examine the integration of motivation, emotions and information processing modes to make complex entrepreneurial decisions in fast pace technology venture environments.*

|  |                            |                   |
|--|----------------------------|-------------------|
| 0101   | Michael Pratt, James Green | Seats (Total: 90) |
|  | TuTh 5:00pm - 6:15pm       | SCC 2121          |
| <i>Restricted to students in the Hinman CEO program.</i> |                            |                   |

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## **ENES462      Marketing High-Technology Products and Innovations**

(Perm req)

Credits: 3                      Grading Method: Regular

*Restriction: Permission of ENGR-Maryland Technology Enterprise Institute. Additional information: Course may not be used to fulfill any BMGT major or minor program requirement.*

*Examines the opportunities and challenges of marketing high-technology products in turbulent environments requiring rapid decision making with incomplete information. Explores how innovations are introduced at frequent intervals, research-and-development spending is vital, and there are high mortality rates for both products and businesses.*

|  |                            |                   |
|--|----------------------------|-------------------|
| 0101   | Olufunlola Koiki           | Seats (Total: 50) |
|  | Class time/details on ELMs | ONLINE            |
| <i>Restricted to students in the Minor in Technology Entrepreneurship.</i> |                            |                   |

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## **ENES467      Engineering for Social Change**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must not be in Engineering: Mechanical program; and junior standing or higher; and must be in a major in ENGR-A. James Clark School of Engineering. Also offered as: ENME467. Credit only granted for: ENES467 or ENME467.*

*Critical analysis of issues at the intersection of engineering, philanthropy and social change. How engineering design, products and processes have created social change in the past and will do so in the future through both intended and unintended consequences. Topics covered include energy, sustainability and climate change, autonomy, the digital future, low cost engineering, manufacturing, philanthropy, ethics and the impact of electronics on society, among others. Faculty and external experts will engage with students on these topics. Students will broadly engage with organizations involved in using technology for positive social impact.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Davinder Anand    | Seats (Total: 30) |
|      | F 1:00pm - 3:40pm | KEB 1200          |

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**ENES471****Legal Aspects of Entrepreneurship**

Credits: 3

Grading Method: Regular

*Additional information: Course may not be used to fulfill any BMGT major or minor program requirement.*

*Explores critical legal and business issues entrepreneurs face as they build and launch a new venture. Examines real world scenarios, and addresses the legal issues at all of the important junctures along the path to success. Significant attention placed on new venture formation, intellectual property management, and financing arrangements.*

|   |                             |                   |
|---|-----------------------------|-------------------|
| 0101  | Babak Akhlaghi, James Green | Seats (Total: 50) |
|   | TuTh 5:00pm - 6:15pm        | SQH 1120          |
| <i>Restricted to students enrolled in the Hinman CEOs Program (HCEO).</i> |                             |                   |

**ENES472****International Business Cultures in Engineering and Technology**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DVCC

*Prerequisite: Permission of ENGR-A. James Clark School of Engineering. Restriction: Sophomore standing or higher. Also offered as: SLLC472. Credit only granted for: ARHU439B, ARHU439E, ARHU439T, ENES472, SLLC471, SLLC472, or SLLC473. Formerly: ARHU439T.*

*The goal is to provide students with an understanding of cultural aspects pertaining to global business and engineering and develop the cultural understanding, attitudes, and communication skills needed to function appropriately within an increasingly global and multicultural working environment.*

Restricted to students with the minor in international engineering (#EN01) and in engineering leadership development (#EN04). Students in global poverty (#AG06), in terrorism studies (#BS07), or in international development and conflict management (#BS02) may request permission for the course from Jane Fines (jfines@umd.edu). All other students can be placed on a hold file.

|  |                            |                   |
|--|----------------------------|-------------------|
| BL01   | Brian Dillehay             | Seats (Total: 45) |
|  | Th 6:00pm - 7:45pm         | KEB 1200          |
|  | Class time/details on ELMs | ONLINE            |
| <i>Restricted to students with the minor in international engineering and in engineering leadership development. Students in global poverty, in terrorism studies, or in international development and conflict management may request permission for the course from Jane Fines (jfines@umd.edu). All other students can be placed on a holdfile.</i> |                            |                   |

**ENES480****Engineering Honors Seminar I**

Credits: 1

Grading Method: Regular

*Restriction: Must be in College of Engineering Honors; and junior standing or higher.*

*Introduction to engineering leadership, professionalism, and ethics. Discussions of leadership style, elements of success, professional communication, codes of ethics, handling of ethical dilemmas, and the characteristics of a professional.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0103 | Richard McCuen     | Seats (Total: 20) |
|      | Tu 8:00am - 9:15am | EGR 3114          |

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**ENES489A Special Topics in Engineering; Applied Quantitative Analysis**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics in engineering.*

Restricted to QUEST Honors Program students. Credit granted for BMGT438A or ENES489A.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | David Ashley      | Seats (Total: 20) |
|      | M 5:00pm - 7:40pm | VMH 1415          |

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**ENES489P Special Topics in Engineering; Hands-on Systems Engineering Projects**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics in engineering.*

This hands-on design projects course will expose senior-level undergraduates and graduate students from all areas of engineering to exciting career opportunities in the systems engineering field. Students will be introduced to the technical aspects of systems engineering practice through team-based project development and a systematic step-by-step procedure for product development that includes defining operations concepts, requirements gathering and organization, synthesis of models of system behavior and system structure, functional allocation to create system design alternatives, formal assessment of design alternatives through tradeoff analysis, and established approaches to testing and validation/verification. The students will be introduced to modern methods in Model-Based Systems Engineering, and industrial strength tools and environments for complex systems synthesis. Team projects may address problems from a wide variety of disciplines or cross-disciplines.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | John MacCarthy     | Seats (Total: 40) |
|      | Tu 5:00pm - 6:15pm | CSI 2120          |
|      | Th 3:30pm - 6:30pm | AVW 1442      Lab |

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**ENES490H Quest Consulting and Innovation Practicum**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP

*Prerequisite: ENES390 or BMGT390. Also offered as: BMGT490. Credit only granted for: BMGT490 or ENES490.*

*Final course in the QUEST Honors Fellows Program three-course curriculum. Based on a team-based consulting project with one of QUEST's professional partners. A project advisor and professional champion supervise each student team. Requires extensive out-of-class work.*

Fourth course in a sequence of four Total Quality Program Courses. Restricted to QUEST Honors Program students.

|      |   |                   |
|------|---|-------------------|
| 0101 | Jeffrey Herrmann                              | Seats (Total: 45) |
|      | Tu 6:30pm - 9:10pm                            | HJP 2242          |
|      | Contact instructor or department for details. |                   |

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## **ENES491                      Defining Consulting and Innovation Projects**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: BMGT190 or ENES190. Restriction: Restricted to QUEST Program (TQMP) students. Also offered as: BMGT491. Credit only granted for: BMGT491, ENES491 or BMGT438D. Formerly: BMGT438D.*

*Cultivate relationships with new and current corporate partners and prepare project scopes for QUEST's capstone course, BMGT/ENES 490H. Requires independent work communicating with clients and class visits to a variety of potential project sites.*

Also offered as BMGT491.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Joseph Bailey        | Seats (Total: 12) |
|      | Tu 10:00am - 10:50am | VMH 4535          |
|      | F 10:00am - 11:40am  | VMH 4535          |

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## **ENES602                      Future Faculty Program Seminar II**

(Perm req)

Credits: 1                      Grading Method: Regular,  
Audit

*Restriction: Must be in the Clark School Future Faculty Program.*

*Effective teaching techniques. Basic principles of education and learning. Developing a course; promoting active learning, problem solving and critical thinking; designing exam and assignments; and communicating effectively with students.*

This course is only open to students in the Clark School Future Faculty Program or by permission of Department.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Teng Li           | Seats (Total: 25) |
|      | M 2:00pm - 3:15pm | MTH 0102          |

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#### **ENES604**      **Future Faculty Program Teaching Practicum**

(Perm req)

Credits: 1                      Grading Method: Regular,  
   Audit

*Prerequisite: ENES602. Restriction: Must be a graduate student in the Clark School Future Faculty Program; and students for whom English is not the native language must pass the Maryland English Institute ITA Evaluation prior to enrolling in this course.*

*Graduate students will co-teach a course under supervision of a faculty mentor. Graduate students will be involved in all aspects of the course including development of syllabus, presenting lectures, writing and grading examinations, and evaluating the students in the course.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Elisabeth Smela                               | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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#### **ENES662**      **Innovative Ideas and Concept Development**

Credits: 3                      Grading Method: Regular

*Enables aspiring entrepreneurs to understand the content, methods, and models for new venture opportunity assessment and analysis. Focuses on how to identify and analyze entrepreneurial opportunities for technology-based ventures by first understanding the personal self and decision-making factors. Explores how to evaluate new venture opportunities and challenges within industries and markets.*

|      |  |                   |
|------|--|-------------------|
| PLM1 | James Green  | Seats (Total: 60) |
|      | <b>Meets August 28, 2017 - November 17, 2017</b>   |                   |
|      | Class time/details on ELMs                         | ONLINE            |
|      | <i>Restricted to students in the MPTE Program.</i> |                   |

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#### **ENES663**      **Strategies for Managing Innovation**

Credits: 3                      Grading Method: Regular

*Credit only granted for: ENES663 or ENPM691.*

*Emphasizes how innovative leaders can use strategic management of innovation and technology to enhance firm performance. It helps students to understand the process of technological change; the ways that firms come up with innovations; the strategies that firms use to benefit from innovation; and the process of formulating technology strategy. It provides frameworks for analyzing key aspects of these industries and teaches students how to apply these frameworks.*

|      |  |                   |
|------|--|-------------------|
| PLM1 | Thomas Mierzwa                                     | Seats (Total: 60) |
|      | <b>Meets August 28, 2017 - November 17, 2017</b>   |                   |
|      | Class time/details on ELMs                         | ONLINE            |
|      | <i>Restricted to students in the MPTE Program.</i> |                   |

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## **ENES666 Creative Design, Prototyping, and Testing**

Credits: 3                      Grading Method: Regular

*Prerequisite: ENES664 and ENES665.*

*Transition from creative, innovative, design thinking methods to prototyping and concept testing of products and services. Learn how to translate ideas into marketable offerings to create real value for customers and the new venture. Emphasis is placed on an integrated and interdisciplinary approach to engineering design, concurrent engineering, design for manufacturing, industrial design, and the business of new product development. Topics include design methods, modeling and simulation, material and manufacturing process selection, platform and modular design, mass customization, planning and scheduling, and business issues, teamwork, group dynamics, creativity, and innovation.*

|      |  |                   |
|------|--|-------------------|
| PLM1 | Cait von Schnetlage                                | Seats (Total: 50) |
|      | <b>Meets August 28, 2017 - November 17, 2017</b>   |                   |
|      | Class time/details on ELMs                         | ONLINE            |
|      | <i>Restricted to students in the MPTE Program.</i> |                   |

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## **ENES667 Market Development and Commercialization**

Credits: 3                      Grading Method: Regular

*Prerequisite: ENES664 and ENES665.*

*Provides an orientation to key marketing concepts critical to marketing technology-based products and services. Learn to identify market opportunities, understand customer preferences, evaluate market acceptance, and devise the appropriate going to market strategies for the new venture.*



|      |  |                   |
|------|--|-------------------|
| PLM1 | Daniel Dearing                                     | Seats (Total: 50) |
|      | <b>Meets August 28, 2017 - November 17, 2017</b>   |                   |
|      | Class time/details on ELMs                         | ONLINE            |
|      | <i>Restricted to students in the MPTE Program.</i> |                   |

## ENES672 Launching Technology Startup Ventures

Credits: 6                      Grading Method: Regular,  
Audit

*Prerequisite: ENES670 and ENES671. Credit only granted for: ENES660 or ENES672.*

*Explores the processes and skills needed to launch and manage technology startup ventures. Learn how to apply best practices for planning, launching, and leading new companies. Discusses a wide range of issues of importance and concern to entrepreneurs, to include how to navigate uncertainty.*

Restricted to students in the MPTE program.

|      |  |                   |
|------|--|-------------------|
| PLM1 | Mark Komisky   | Seats (Total: 10) |
|      | <b>Meets August 28, 2017 - November 17, 2017</b>   |                   |
|      | Class time/details on ELMs   | ONLINE            |
|      | <i>Restricted to students in the MPTE Program. Click here for more course information.</i> |                   |
| PLM2 | John Jabara  | Seats (Total: 10) |
|      | <b>Meets August 28, 2017 - November 17, 2017</b>   |                   |
|      | Class time/details on ELMs   | ONLINE            |
|      | <i>Restricted to students in the MPTE Program. Click here for more course information.</i> |                   |

## ENFP Engineering, Fire Protection Fall 2017

### ENFP101 Introduction to Fire Protection Engineering

(Perm req)                      Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of ENGR-Fire Protection Engineering department. Credit only granted for: ENFP108 or ENFP101. Formerly: ENFP108.*

*This course will introduce students to the impact of fire on people, property and the environment and methods to mitigate the threat of fire. Student teams will apply the principles of fire behavior and fire safety systems covered in the first half of the course to design, build and test a fire safe, small-scale apartment. A final experiment will be conducted to provide an assessment of the complete designs of each team.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | James Milke         | Seats (Total: 20) |
|      | M 12:00pm - 12:50pm | JMP 1109          |

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### **ENFP250 Introduction to Life Safety Analysis**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Permission of ENGR-Fire Protection Engineering department. Credit only granted for: ENFP250 or ENFP251. Formerly: ENFP251.*

*Introduction to fire protection engineering and building regulation, building safety systems, and egress system design. Evacuation modeling. Human behavior in fires. Tenability Analysis.*

|      |                       |                          |
|------|-----------------------|--------------------------|
| 0101 | Kenneth Isman         | Seats (Total: 46)        |
|      | TuTh 9:30am - 10:45am | ESJ 2212                 |
|      | F 10:00am - 10:50am   | PHY 4221      Discussion |

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### **ENFP310 Water Based Fire Protection Systems Design**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENFP300. Corequisite: ENFP312. Restriction: Permission of ENGR-Fire Protection Engineering department.*

*Introduction to aqueous fire suppression. Discussion of key fluid dynamics and heat transfer processes in aqueous fire suppression. System design and performance analysis based on national standards, hydraulic theory and elementary fluid dynamics and heat transfer.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Kenneth Isman        | Seats (Total: 44) |
|      | MF 11:00am - 11:50am | PHY 1201          |
|      | W 11:00am - 12:50pm  | ESJ 1215          |

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### **ENFP312 Heat and Mass Transfer**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENES232 and ENFP300. Restriction: Permission of ENGR-Fire Protection Engineering department.*

*Fundamentals of heat and mass transfer. Conduction, convection, and radiation modes of heat transfer. Diffusion concepts and evaporation phenomena. Problem solving techniques with application to fire problems.*

|      |                    |                   |     |
|------|--------------------|-------------------|-----|
| 0105 | Marino diMarzo     | Seats (Total: 30) |     |
|      | MW 9:00am - 9:50am | EGR 1202          |     |
|      | M 1:00pm - 2:50pm  | JMP 1109          | Lab |

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### **ENFP405 Structural Fire Protection**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENES220. Restriction: Must be in Engineering: Fire Protection program; and permission of ENGR-Fire Protection Engineering department. Credit only granted for: ENFP405 or ENFP621.*

*Effects of elevated temperature on structural materials; steel, concrete, wood, gypsum, glass and reinforced plastics. Experimental evaluation of fire resistance of building assemblies. Analytical methods to evaluate fire resistance of structural members.*

|      |                        |                   |  |
|------|------------------------|-------------------|--|
| 0101 | Jose Torero            | Seats (Total: 30) |  |
|      | TuTh 11:00am - 12:15pm | ESJ 1215          |  |

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### **ENFP413 Advanced Life Safety Analysis**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENFP250. Restriction: Permission of ENGR-Fire Protection Engineering department. Also offered as: ENFP613. Credit only granted for: ENFP413 or ENFP613.*

*Fractional effective dose (FED) methods for predicting time to incapacitation and death of fires for use in fire safety calculations. Physiology and toxicology of the fire effluent components, decomposition chemistry of common materials, standard experimental approaches. Predictive models of material production rates. People movement characteristics related to building evacuation. Formulation and application of evacuation models. Human behavior factors affecting response of people to fire situations.*

|      |                                   |                   |  |
|------|-----------------------------------|-------------------|--|
| 0101 | James Milke, Christopher Campbell | Seats (Total: 25) |  |
|      | TuTh 2:00pm - 3:15pm              | EGR 0135          |  |

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### **ENFP415 Fire Dynamics**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENFP312. Restriction: Permission of ENGR-Fire Protection Engineering department. Also offered as: ENFP651. Credit only granted for: ENFP415 or ENFP651.*

*Designed to give students a quantitative understanding of fire behavior. The fundamentals of physics and chemistry of combustion are presented and used to derive key analytical relationships that describe fire growth. Application of these relationships to the analysis of common fire scenarios is emphasized.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Stanislav Stoliarov   | Seats (Total: 30) |
|      | TuTh 9:30am - 10:45am | EGR 0135          |

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## **ENFP425**

### **Enclosure Fire Modeling**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENES232, ENFP300, and ENFP312. Restriction: Must be in Engineering: Fire Protection program; and senior standing; and permission of ENGR-Fire Protection Engineering department.*

*An introduction to enclosure fire dynamics through the development of fire modeling algorithms and the application of computer-based fire modeling techniques. The objectives of the course are: to provide a basic understanding of enclosure fire dynamics with an emphasis on a system-level viewpoint (i.e., a global description of the coupling between combustion dynamics, smoke filling, vent flows and heat transfer); and to provide an introduction to the zone modeling approach. Topics covered include a review of the mathematical formulation of zone models, a discussion of numerical integration of the zone modeling equations (using MATLAB), and an introduction to zone modeling software used by professional engineers (e.g., CFAST).*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Arnaud Trouve        | Seats (Total: 30) |
|      | TuTh 3:30pm - 4:45pm | EGR 2154          |

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## **ENFP429**

### **Independent Studies**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*For students who have definite plans for individual study of approved problems, or study of an advanced topic selected in conjunction with the faculty.*

Senior standing. For ENFP majors only.

**Contact department for information to register for this course.**

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## **ENFP464**

### **Industrial Fire Safety**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Students must be of senior standing. Restriction: Permission of ENGR-Fire Protection Engineering department. Also offered as: ENFP664. Credit only granted for: ENFP464, ENFP489I, ENFP629I OR ENFP664.. Formerly: ENFP489I. Additional information: The course will be taught as a dual senior-level undergraduate course and graduate course.*

*Designed to introduce students to the basics of process safety with a focus on the methods and techniques that may be utilized when evaluating the existing or proposed safety protection solutions in industrial facilities. An emphasis is placed on properly identifying the hazards that are present, the risk exposure, and how best to address the risk. The foundation is laid by presenting the necessary background information on industrial processes and integrating this information with applicable fire/explosion safety science.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Arnaud Trouve      | Seats (Total: 20) |
|      | MW 5:00pm - 6:15pm | JMP 1109          |

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#### **ENFP489**

##### **Special Topics**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected topics of current importance to fire protection.*

For ENFP majors only.

**Contact department for information to register for this course.**

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#### **ENFP489W**

##### **Special Topics; Wildland Fires: Science and Applications**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected topics of current importance to fire protection.*

Restriction: Permission of ENGR-Fire Protection Engineering department.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Michael Gollner       | Seats (Total: 25) |
|      | MWF 10:00am - 10:50am | EGR 0135          |

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#### **ENFP613**

##### **Human Response to Fire**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: Permission of ENGR-Fire Protection Engineering department. Also offered as: ENFP413.*

*Fractional effective dose (FED) methods for predicting time to incapacitation and death of fires for use in fire safety engineering calculations. Physiology and toxicology of fire effluent components, decomposition chemistry of common materials, standard experimental approaches. Predictive models of material production rates. People movement characteristics related to building evacuation. Formulation and application of evacuation models. Human behavior factors affecting response of people to fire situations.*

|      |                                   |                   |
|------|-----------------------------------|-------------------|
| 0101 | Christopher Campbell, James Milke | Seats (Total: 15) |
|      | TuTh 2:00pm - 3:15pm              | EGR 0135          |

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**ENFP619 Graduate Seminar**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

|      |   |                  |
|------|---|------------------|
| 0101 | Arnaud Trouve                                 | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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**ENFP621 Analytical Procedures of Structural Fire Protection**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ENFP312. Also offered as: ENFP621. Credit only granted for: ENFP405 or ENFP621.*

*Analysis procedures for structural components of wood, steel, concrete, composites. Structural capabilities, modifications under fire induced exposures. Calculations, computer models for predicting fire resistance ratings of structural components.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Jose Torero            | Seats (Total: 12) |
|      | TuTh 11:00am - 12:15pm | ESJ 1215          |

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**ENFP629 Selected Topics**

(Perm req)

Credits: 3-6      Grading Method: Regular,  
Audit

*Current research, studies in fire protection engineering. Future trends and significant changes in research, professional areas. The professional standards process.*

**Contact department for information to register for this course.**

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**ENFP629M Selected Topics; Material Flammability**

Credits: 3-6      Grading Method: Regular,  
Audit

*Current research, studies in fire protection engineering. Future trends and significant changes in research, professional areas. The professional standards process.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Stanislav Stoliarov  | Seats (Total: 20) |
|      | TuTh 2:00pm - 3:15pm | PLS 1172          |

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**ENFP629W      Selected Topics; Wildland fires: Science and Applications**

Credits: 3-6      Grading Method: Regular,  
Audit

*Current research, studies in fire protection engineering. Future trends and significant changes in research, professional areas. The professional standards process.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Michael Gollner       | Seats (Total: 10) |
|      | MWF 10:00am - 10:50am | EGR 0135          |

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**ENFP649      Special Problems**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

*Advanced topics selected by the faculty from the current literature to suit the special needs and background of students, or for individual students who have definite plans of individual study.*

Prerequisite: permission of department.

**Contact department for information to register for this course.**

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**ENFP651      Advanced Fire Dynamics**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Credit only granted for: ENFP629A or ENFP651. Formerly: ENFP629A.*

*A review of the basic chemistry and physics necessary to understanding fire dynamics; and of the physics of heat transfer and turbulent fluid flow will be given. The nature and structure of premixed and diffusion flames will be presented.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Stanislav Stoliarov   | Seats (Total: 10) |
|      | TuTh 9:30am - 10:45am | EGR 0135          |

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**ENFP652      Fire Assessment Methods**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Credit only granted for: ENFP629B or ENFP652. Formerly: ENFP629B.*

*This on-line course offers a comprehensive review of experimental techniques to assess fire performance characteristics of materials, products and assemblies.*

|      |  |                   |
|------|--|-------------------|
| EF01 | Marc Janssens                                      | Seats (Total: 40) |
|      | <b>Meets September 5, 2017 - November 24, 2017</b> |                   |
|      | Class time/details on ELMs                         | ONLINE            |

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## **ENFP661 Forensic Fire Analysis**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Credit only granted for: ENFP629D or ENFP661. Formerly: ENFP629D.*

*This on-line course addresses the forensic analysis of structural fire incidents in terms of enclosure fire dynamics and the impact of fire safety subsystems used to prevent or mitigate the consequences of fire. These subsystems include: ignition prevention, material flammability and flame spread, fire detection and alarm, fire suppression, smoke movement and management, structural fire protection and egress systems. Failures in these subsystems are addressed in terms of differences between expected and observed performance.*

|      |  |                   |
|------|--|-------------------|
| EF01 | Gerald Haynes, David Ilove                         | Seats (Total: 40) |
|      | <b>Meets September 5, 2017 - November 24, 2017</b> |                   |
|      | Class time/details on ELMs                         | ONLINE            |

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## **ENFP664 Advanced Industrial Fire Safety**

Credits: 3      Grading Method: Regular,  
Audit

*Also offered as: ENFP464. Credit only granted for: ENFP489I, ENFP629I, ENFP464, or ENFP664. Formerly: ENFP489I and ENFP629I.*

*This class is designed to introduce students to the basics of process safety with a focus on the methods and techniques that may be utilized when evaluating the existing or proposed safety protection solutions in industrial facilities. An emphasis is placed on properly identifying the hazards that are present, the risk exposure, and how best to address the risk. The foundation is laid by presenting the necessary background information on industrial processes and integrating this information with applicable fire/explosion safety science.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Arnaud Trouve      | Seats (Total: 10) |
|      | MW 5:00pm - 6:30pm | JMP 1109          |



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**ENFP799 Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular, Sat-Fail

*Development and completion of Master's Thesis.***Contact department for information to register for this course.**

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**ENGL English****Fall 2017**

*English as a second language classes are listed under UMEI. For more detailed course descriptions, click here to visit the English department website.*

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**ENGL101 Academic Writing**

Credits: 3

Grading Method: Regular

General Education: FSAW

*Additional information: Any student who has not successfully completed this course by Fall 2017 must complete this course with a minimum grade of C- in order to fulfill the General Education Fundamental Studies Academic Writing requirement.*

*An introductory course in expository writing.*

Students with a TWSE score below 33 must take ENGL 101A in place of ENGL101. Students for whom English is a second language should consider taking ENGL101X in place of ENGL101. This class meets in person twice a week, the other class work is done online.

<http://www.english.umd.edu/academics/academicwriting/BlendedLearning>"

*Click here for more course information.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Kristofer Reed<br>MWF 9:00am - 9:50am         | Seats (Total: 19)<br>TWS 0201 |
| 0102 | Erica Cochran<br>MWF 9:00am - 9:50am          | Seats (Total: 19)<br>TWS 0205 |
| 0103 | David Brookshire<br>MWF 9:00am - 9:50am       | Seats (Total: 19)<br>KEY 0119 |
| 0104 | Liam Daley<br>MWF 9:00am - 9:50am             | Seats (Total: 19)<br>TWS 0214 |
| 0106 | Uchechi Okereke-Beshel<br>MWF 9:00am - 9:50am | Seats (Total: 19)<br>TWS 0221 |

|      |   |                               |
|------|---|-------------------------------|
| 0108 | Tung-An Wei<br>MWF 9:00am - 9:50am              | Seats (Total: 19)<br>TWS 0236 |
| 0201 | Uchechi Okereke-Beshel<br>MWF 10:00am - 10:50am | Seats (Total: 19)<br>TWS 0201 |
| 0203 | Rick Frankos<br>MWF 10:00am - 10:50am           | Seats (Total: 19)<br>TWS 1106 |
| 0204 | David Brookshire<br>MWF 10:00am - 10:50am       | Seats (Total: 19)<br>JMZ 1224 |
| 0205 | Dara Liling<br>MWF 10:00am - 10:50am            | Seats (Total: 19)<br>KEY 0123 |
| 0206 | Lissette Escariz<br>MWF 10:00am - 10:50am       | Seats (Total: 19)<br>KEY 0124 |
| 0208 | Michael Colson<br>MWF 10:00am - 10:50am         | Seats (Total: 19)<br>KEY 0125 |
| 0301 | Hillary Roegelein<br>MWF 11:00am - 11:50am      | Seats (Total: 19)<br>KEY 0119 |
| 0302 | Lissette Escariz<br>MWF 11:00am - 11:50am       | Seats (Total: 19)<br>KEY 0123 |
| 0303 | Robert Lucci<br>MWF 11:00am - 11:50am           | Seats (Total: 19)<br>KEY 0124 |
| 0304 | Sabrina Islam<br>MWF 11:00am - 11:50am          | Seats (Total: 19)<br>TWS 0205 |
| 0305 | William Pittman<br>MWF 11:00am - 11:50am        | Seats (Total: 19)<br>KEY 0125 |
| 0306 | Kelsey Kerr<br>MWF 11:00am - 11:50am            | Seats (Total: 19)<br>EDU 2102 |
| 0401 | Sabrina Islam<br>MWF 12:00pm - 12:50pm          | Seats (Total: 19)<br>EDU 2102 |

|      |   |                               |
|------|---|-------------------------------|
| 0402 | Kiyanna Hill<br>MWF 12:00pm - 12:50pm     | Seats (Total: 19)<br>KEY 0123 |
| 0403 | Dominique Young<br>MWF 12:00pm - 12:50pm  | Seats (Total: 19)<br>TWS 1107 |
| 0404 | Emilee Durand<br>MWF 12:00pm - 12:50pm    | Seats (Total: 19)<br>TWS 0205 |
| 0405 | Liam Daley<br>MWF 12:00pm - 12:50pm       | Seats (Total: 19)<br>KEY 0120 |
| 0406 | Michael Colson<br>MWF 12:00pm - 12:50pm   | Seats (Total: 19)<br>KNI 1105 |
| 0502 | Heather De Bel<br>MWF 1:00pm - 1:50pm     | Seats (Total: 19)<br>KEY 0125 |
| 0503 | Michelle Walsh<br>MWF 1:00pm - 1:50pm     | Seats (Total: 19)<br>TWS 1313 |
| 0504 | Joshua Weiss<br>MWF 1:00pm - 1:50pm       | Seats (Total: 19)<br>TWS 0205 |
| 0505 | Derek Ellis<br>MWF 1:00pm - 1:50pm        | Seats (Total: 19)<br>KEY 0120 |
| 0506 | Kelsey Kerr<br>MWF 1:00pm - 1:50pm        | Seats (Total: 19)<br>TWS 0221 |
| 0601 | Erica Cochran<br>MWF 2:00pm - 2:50pm      | Seats (Total: 19)<br>TWS 0214 |
| 0602 | Joseph Good<br>MWF 2:00pm - 2:50pm        | Seats (Total: 19)<br>KEY 0124 |
| 0603 | William Gonch<br>MWF 2:00pm - 2:50pm      | Seats (Total: 19)<br>TWS 0205 |
| 1001 | Samantha O'Connor<br>TuTh 8:00am - 9:15am | Seats (Total: 19)<br>TWS 0236 |

|      |  |                               |
|------|--|-------------------------------|
| 1002 | Justin Thompson<br>TuTh 8:00am - 9:15am          | Seats (Total: 19)<br>TWS 1106 |
| 1102 | Nancy Vera<br>TuTh 9:30am - 10:45am              | Seats (Total: 19)<br>KEY 0123 |
| 1103 | Fatima Azam<br>TuTh 9:30am - 10:45am             | Seats (Total: 19)<br>JMZ 2120 |
| 1105 | Aqdas Aftab<br>TuTh 9:30am - 10:45am             | Seats (Total: 19)<br>TWS 0205 |
| 1203 | Anna Goodson<br>TuTh 11:00am - 12:15pm           | Seats (Total: 19)<br>KEY 0124 |
| 1204 | Justin Lohr<br>TuTh 11:00am - 12:15pm            | Seats (Total: 19)<br>KEY 0123 |
| 1205 | Peter Witte<br>TuTh 11:00am - 12:15pm            | Seats (Total: 19)<br>TWS 1321 |
| 1301 | Collier Cobb<br>TuTh 12:30pm - 1:45pm            | Seats (Total: 19)<br>TWS 1105 |
| 1302 | Caitlin Reid<br>TuTh 12:30pm - 1:45pm            | Seats (Total: 19)<br>JMZ 2120 |
| 1303 | Martina Domnick<br>TuTh 12:30pm - 1:45pm         | Seats (Total: 19)<br>JMZ 2117 |
| 1304 | Nicolette Polek<br>TuTh 12:30pm - 1:45pm         | Seats (Total: 19)<br>TWS 1313 |
| 1306 | Susan Pramschufer<br>TuTh 12:30pm - 1:45pm       | Seats (Total: 19)<br>KEY 0119 |
| 1307 | Konstantinos Pozoukidis<br>TuTh 12:30pm - 1:45pm | Seats (Total: 19)<br>TWS 1321 |
| 1401 | Justine DeCamillis<br>TuTh 2:00pm - 3:15pm       | Seats (Total: 19)<br>KEY 0119 |

|      |  |   |
|------|--|---|
| 1402 | Emily Lyons, Jason Smith<br>TuTh 2:00pm - 3:15pm   | Seats (Total: 19)<br>KEY 0124           |
| 1403 | Katherine Joshi<br>TuTh 2:00pm - 3:15pm  | Seats (Total: 19)<br>TWS 1105           |
| 1404 | Heather McHale<br>TuTh 2:00pm - 3:15pm   | Seats (Total: 19)<br>KEY 0102           |
| 1405 | Lindsey O'Neil<br>TuTh 2:00pm - 3:15pm   | Seats (Total: 19)<br>JMZ 2117           |
| BL01 | Sarah Pleydell<br>Tu 9:30am - 10:45am<br>Th 9:30am - 10:45am<br><br><i>This class meets in person once a week; the other class work is done online.</i>        | Seats (Total: 19)<br>KEY 0120<br>ONLINE |
| BL02 | Susan Pramschufer<br>Tu 11:00am - 12:15pm<br>Th 11:00am - 12:15pm<br><br><i>This class meets in person once a week; the other class work is done online.</i>   | Seats (Total: 19)<br>KEY 0120<br>ONLINE |
| BL03 | Rachel Waugh<br>Th 9:30am - 10:45am<br>Tu 9:30am - 10:45am<br><br><i>This class meets in person once a week; the other class work is done online.</i>          | Seats (Total: 19)<br>KEY 0120<br>ONLINE |
| BL04 | Rachel Waugh<br>Th 11:00am - 12:15pm<br>Tu 11:00am - 12:15pm<br><br><i>This class meets in person once a week; the other class work is done online.</i>        | Seats (Total: 19)<br>KEY 0120<br>ONLINE |
| BL05 | Douglas Kern<br>MF 12:00pm - 12:50pm<br>Class time/details on ELMs<br><br><i>This class meets in person twice a week; the other class work is done online.</i> | Seats (Total: 19)<br>KEY 0124<br>ONLINE |

|      |  |   |
|------|--|---|
| BL06 | Douglas Kern<br>MF 1:00pm - 1:50pm<br>Class time/details on ELMs           | Seats (Total: 19)<br>KEY 0124<br>ONLINE<br><br><i>This class meets in person twice a week; the other class work is done online.</i> |
| BL07 | Sara Faradji<br>Tu 9:30am - 10:45am<br>Th 9:30am - 10:45am                 | Seats (Total: 19)<br>KEY 0119<br>ONLINE<br><br><i>This class meets in person once a week; the other class work is done online.</i>  |
| BL08 | Sarah Pleydell<br>Tu 11:00am - 12:15pm<br>Th 11:00am - 12:15pm             | Seats (Total: 19)<br>KEY 0119<br>ONLINE<br><br><i>This class meets in person once a week; the other class work is done online.</i>  |
| BL09 | Amanda Fiore<br>Tu 12:30pm - 1:45pm<br>Th 12:30pm - 1:45pm                 | Seats (Total: 19)<br>KEY 0120<br>ONLINE<br><br><i>This class meets in person once a week; the other class work is done online.</i>  |
| BL10 | Amanda Fiore<br>Tu 2:00pm - 3:15pm<br>Th 2:00pm - 3:15pm                   | Seats (Total: 19)<br>KEY 0120<br>ONLINE<br><br><i>This class meets in person once a week; the other class work is done online.</i>  |
| BL11 | Savannah Moix-Rogers<br>MW 10:00am - 10:50am<br>Class time/details on ELMs | Seats (Total: 19)<br>TWS 0205<br>ONLINE<br><br><i>This class meets in person twice a week; the other class work is done online.</i> |
| BL12 | David Brookshire<br>MW 11:00am - 11:50am<br>Class time/details on ELMs     | Seats (Total: 19)<br>TWS 1107<br>ONLINE<br><br><i>This class meets in person twice a week; the other class work is done online.</i> |
| BL13 | David Brookshire<br>MW 12:00pm - 12:50pm<br>Class time/details on ELMs     | Seats (Total: 19)<br>TWS 0201<br>ONLINE<br><br><i>This class meets in person twice a week; the other class work is done online.</i> |

|      |   |   |
|------|---|---|
| BL14 | Audrey Farley<br>MW 1:00pm - 1:50pm<br>Class time/details on ELMs<br><br><i>This class meets in person twice a week; the other class work is done online.</i> | Seats (Total: 19)<br>TWS 1107<br>ONLINE |
| BL15 | John Macintosh<br>Th 9:30am - 10:45am<br>Tu 9:30am - 10:45am<br><br><i>This class meets in person once a week; the other class work is done online.</i>       | Seats (Total: 19)<br>KEY 0119<br>ONLINE |
| BL16 | Amanda Allen<br>Th 11:00am - 12:15pm<br>Tu 11:00am - 12:15pm<br><br><i>This class meets in person once a week; the other class work is done online.</i>       | Seats (Total: 19)<br>KEY 0119<br>ONLINE |
| BL17 | Amanda Allen<br>Th 12:30pm - 1:45pm<br>Tu 12:30pm - 1:45pm<br><br><i>This class meets in person once a week; the other class work is done online.</i>         | Seats (Total: 19)<br>KEY 0120<br>ONLINE |
| BL18 | Rachel Waugh<br>Th 2:00pm - 3:15pm<br>Tu 2:00pm - 3:15pm<br><br><i>This class meets in person once a week; the other class work is done online.</i>           | Seats (Total: 19)<br>KEY 0120<br>ONLINE |
| BL19 | Emily Lyons<br>MF 10:00am - 10:50am<br>Class time/details on ELMs<br><br><i>This class meets in person twice a week; the other class work is done online.</i> | Seats (Total: 19)<br>KEY 0120<br>ONLINE |
| BL20 | Emily Lyons<br>MF 11:00am - 11:50am<br>Class time/details on ELMs<br><br><i>This class meets in person twice a week; the other class work is done online.</i> | Seats (Total: 19)<br>KEY 0120<br>ONLINE |
| BL23 | Emily Lyons<br>MF 1:00pm - 1:50pm<br>Class time/details on ELMs<br><br><i>This class meets in person twice a week, the other class work is done online.</i>   | Seats (Total: 19)<br>MTH 0302<br>ONLINE |

|      |   |   |
|------|---|---|
| BL24 | Emily Lyons<br>MF 9:00am - 9:50am<br>Class time/details on ELMs<br><br><i>This class meets in person twice a week, the other class work is done online.</i> | Seats (Total: 19)<br>JMZ 0118<br>ONLINE |
| FC01 | Emily Perez<br>MW 3:00pm - 4:15pm<br><br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 19)<br>KEY 0119           |
| FC02 | Emily Perez<br>MW 4:30pm - 5:45pm<br><br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 19)<br>KEY 0119           |
| FC03 | Jesse Brooks<br>MW 6:00pm - 7:15pm<br><br><i>Restricted to students in Freshmen Connection.</i>   | Seats (Total: 19)<br>KEY 0119           |
| FC04 | Daniel Kason<br>MW 6:00pm - 7:15pm<br><br><i>Restricted to students in Freshmen Connection.</i>   | Seats (Total: 19)<br>KEY 0124           |
| FC05 | Michelle Walsh<br>MW 6:00pm - 7:15pm<br><br><i>Restricted to students in Freshmen Connection.</i>   | Seats (Total: 19)<br>TWS 0236           |
| FC06 | Michelle Walsh<br>MW 7:30pm - 8:45pm<br><br><i>Restricted to students in Freshmen Connection.</i>   | Seats (Total: 19)<br>TWS 0205           |
| FC07 | Paul Cote<br>MW 7:30pm - 8:45pm<br><br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 19)<br>TWS 0236           |
| FC08 | Emily Myrick<br>TuTh 4:30pm - 5:45pm<br><br><i>Restricted to students in Freshmen Connection.</i>   | Seats (Total: 19)<br>TWS 0205           |



|      |  |                               |
|------|--|-------------------------------|
| FC09 | Stephanie Allen<br>TuTh 4:30pm - 5:45pm<br><i>Restricted to students in Freshmen Connection.</i>     | Seats (Total: 19)<br>KEY 0120 |
| FC10 | Stephanie Allen<br>TuTh 6:00pm - 7:15pm<br><i>Restricted to students in Freshmen Connection.</i>     | Seats (Total: 19)<br>KEY 0119 |
| FC11 | Amanda Allen<br>TuTh 6:00pm - 7:15pm<br><i>Restricted to students in Freshmen Connection.</i>        | Seats (Total: 19)<br>KEY 0124 |
| FC12 | Jesse Brooks<br>MW 7:30pm - 8:45pm<br><i>Restricted to students in Freshmen Connection.</i>          | Seats (Total: 19)<br>TWS 0214 |
| FC13 | Nataliya Pratsovyta<br>TuTh 7:30pm - 8:45pm<br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 19)<br>WDS 1127 |
| FC14 | Katherine Joshi<br>TuTh 7:30pm - 8:45pm<br><i>Restricted to students in Freshmen Connection.</i>     | Seats (Total: 19)<br>WDS 1131 |
| FC15 | Paul Cote<br>TuTh 7:30pm - 8:45pm<br><i>Restricted to students in Freshmen Connection.</i>           | Seats (Total: 19)<br>KEY 0119 |
| FC16 | Jonathan Williams<br>TuTh 7:30pm - 8:45pm<br><i>Restricted to students in Freshmen Connection.</i>   | Seats (Total: 19)<br>KEY 0124 |
| FC17 | Heather McHale<br>TuTh 7:30pm - 8:45pm<br><i>Restricted to students in Freshmen Connection.</i>      | Seats (Total: 19)<br>TWS 0221 |
| FC18 | Heather McHale<br>TuTh 4:30pm - 5:45pm<br><i>Restricted to students in Freshmen Connection.</i>      | Seats (Total: 19)<br>TWS 0221 |

|      |   |                               |
|------|---|-------------------------------|
| FC19 | Joshua Weiss<br>MW 6:00pm - 7:15pm<br><i>Restricted to students in Freshmen Connection.</i>   | Seats (Total: 19)<br>KEY 0120 |
| FC20 | Audrey Farley<br>MW 4:30pm - 5:45pm<br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 19)<br>KEY 0120 |
| FC21 | Rick Frankos<br>MW 3:00pm - 4:15pm<br><i>Restricted to students in Freshmen Connection.</i>   | Seats (Total: 19)<br>TWS 0214 |
| FC22 | Amanda Allen<br>TuTh 4:30pm - 5:45pm<br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 19)<br>JMZ 0120 |
| FC23 | Porter Olsen<br>MW 4:30pm - 5:45pm<br><i>Restricted to students in Freshmen Connection.</i>   | Seats (Total: 19)<br>TWS 0205 |
| FC24 | Brian Davis<br>TuTh 6:00pm - 7:15pm<br><i>Restricted to Freshmen Connection Students.</i>     | Seats (Total: 19)<br>TWS 0205 |
| FC25 | Brian Davis<br>TuTh 7:30pm - 8:45pm<br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 19)<br>TWS 0214 |

## ENGL101A

### Academic Writing

Credits: 3

Grading Method: Regular

General Education: FSAW

*Additional information: Any student who has not successfully completed this course by Fall 2017 must complete this course with a minimum grade of C- in order to fulfill the General Education Fundamental Studies Academic Writing requirement.*

*An introductory course in expository writing.*

Students should take ENGL 101A rather than ENGL 101 if their TWSE score (a subscore of the SAT verbal) is 33 or below.

|      |                                       |                               |
|------|---------------------------------------|-------------------------------|
| 1702 | Peter Witte<br>TuTh 9:30am - 10:45am  | Seats (Total: 15)<br>ARC 1127 |
| 1703 | Jesse Brooks<br>MWF 12:00pm - 12:50pm | Seats (Total: 15)<br>TWS 0221 |

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### ENGL101C Academic Writing

Credits: 3

Grading Method: Regular

General Education: FSAW

*Additional information: Any student who has not successfully completed this course by Fall 2017 must complete this course with a minimum grade of C- in order to fulfill the General Education Fundamental Studies Academic Writing requirement.*

*An introductory course in expository writing.*

Restricted to students in the Civicus Program.

|      |                                       |                               |
|------|---------------------------------------|-------------------------------|
| 0209 | Joshua Weiss<br>MWF 10:00am - 10:50am | Seats (Total: 19)<br>SOM 0101 |
| 0309 | Joshua Weiss<br>MWF 11:00am - 11:50am | Seats (Total: 19)<br>SOM 0101 |

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### ENGL101H Academic Writing

Credits: 3

Grading Method: Regular

General Education: FSAW

*Additional information: Any student who has not successfully completed this course by Fall 2017 must complete this course with a minimum grade of C- in order to fulfill the General Education Fundamental Studies Academic Writing requirement.*

*An introductory course in expository writing.*

For general honors students or students with a verbal SAT of 600 or better.

|      |  |                               |
|------|--|-------------------------------|
| 0109 | Michael Kolakoski<br>MWF 9:00am - 9:50am | Seats (Total: 19)<br>ANS 0402 |
| 0210 | Kelsey Kerr<br>MWF 10:00am - 10:50am     | Seats (Total: 19)<br>ASY 3221 |
| 0310 | Lara Payne<br>MWF 11:00am - 11:50am      | Seats (Total: 19)<br>TWS 0221 |

|      |  |                               |
|------|--|-------------------------------|
| 0407 | Kelsey Kerr<br>MWF 12:00pm - 12:50pm       | Seats (Total: 19)<br>ASY 3217 |
| 0408 | Lara Payne<br>MWF 12:00pm - 12:50pm        | Seats (Total: 19)<br>TWS 1313 |
| 0507 | Virginia Butler<br>MWF 1:00pm - 1:50pm     | Seats (Total: 19)<br>TWS 1320 |
| 1107 | Carlos Chism<br>TuTh 9:30am - 10:45am      | Seats (Total: 19)<br>TWS 1321 |
| 1207 | Peter Grybauskas<br>TuTh 11:00am - 12:15pm | Seats (Total: 19)<br>TWS 1313 |
| 1307 | Justin Lohr<br>TuTh 12:30pm - 1:45pm       | Seats (Total: 19)<br>SQH 1123 |

## ENGL101S

### Academic Writing

Credits: 3

Grading Method: Regular

General Education: FSAW

*Additional information: Any student who has not successfully completed this course by Fall 2017 must complete this course with a minimum grade of C- in order to fulfill the General Education Fundamental Studies Academic Writing requirement.*

*An introductory course in expository writing.*

This course is restricted to College Park Scholars.

|      |  |                               |
|------|--|-------------------------------|
| 0110 | Nicole Roberts<br>MWF 9:00am - 9:50am      | Seats (Total: 19)<br>CCC 1111 |
| 0211 | Michael Kolakoski<br>MWF 10:00am - 10:50am | Seats (Total: 19)<br>CCC 1115 |
| 0212 | Radford Skudrna<br>MWF 10:00am - 10:50am   | Seats (Total: 19)<br>CCC 1105 |
| 0311 | Michael Kolakoski<br>MWF 11:00am - 11:50am | Seats (Total: 19)<br>CCC 1105 |

|      |  |                               |
|------|--|-------------------------------|
| 0312 | Radford Skudrna<br>MWF 11:00am - 11:50am   | Seats (Total: 19)<br>CCC 1115 |
| 0410 | Michael Kolakoski<br>MWF 12:00pm - 12:50pm   | Seats (Total: 19)<br>CCC 1115 |
| 0509 | Radford Skudrna<br>MWF 1:00pm - 1:50pm   | Seats (Total: 19)<br>CCC 1115 |
| 0607 | Radford Skudrna<br>MWF 2:00pm - 2:50pm   | Seats (Total: 19)<br>CCC 1105 |
| 1108 | John Kim<br>TuTh 9:30am - 10:45am  | Seats (Total: 19)<br>CCC 1115 |
| 1208 | Katherine Joshi<br>TuTh 11:00am - 12:15pm  | Seats (Total: 19)<br>CCC 1105 |
| 1209 | DeLisa Hawkes<br>TuTh 11:00am - 12:15pm  | Seats (Total: 19)<br>CCC 1115 |
| 1210 | John Kim<br>TuTh 11:00am - 12:15pm   | Seats (Total: 19)<br>CCC 1200 |
| 1308 | Rahel Worku<br>TuTh 12:30pm - 1:45pm   | Seats (Total: 19)<br>CCC 1115 |
| BL01 | Catherine Bayly<br>MF 12:00pm - 12:50pm<br>Contact instructor or department for details.<br><i>This class meets in person twice a week, the other class work is done online.</i> | Seats (Total: 19)<br>CCC 1105 |
| BL02 | Catherine Bayly<br>MF 1:00pm - 1:50pm<br>Contact instructor or department for details.<br><i>This class meets in person twice a week; the other class work is done online.</i>   | Seats (Total: 19)<br>CCC 1105 |

*Additional information: Any student who has not successfully completed this course by Fall 2017 must complete this course with a minimum grade of C- in order to fulfill the General Education Fundamental Studies Academic Writing requirement.*

*An introductory course in expository writing.*

Limited to students for whom English is a second language. The following are indications that a student should register for English 101X: 1) an iBT TOEFL score of 100 overall, with a writing section score of at least 24; 2) an IELTS score of 7.0 overall, with a writing score of at least 7.0; 3) satisfactory completion of UMEI 005: Advanced English as a Foreign Language.

|      |  |                               |
|------|--|-------------------------------|
| 2002 | Amanda Fiore<br>TuTh 9:30am - 10:45am    | Seats (Total: 18)<br>KEY 0100 |
| 2003 | Amanda Fiore<br>TuTh 11:00am - 12:15pm   | Seats (Total: 18)<br>KEY 0125 |
| 2004 | Laura Williams<br>MWF 10:00am - 10:50am  | Seats (Total: 18)<br>KEY 0102 |
| 2005 | William Pittman<br>MWF 12:00pm - 12:50pm | Seats (Total: 18)<br>KEY 0125 |
| 2006 | Katie Bramlett<br>TuTh 2:00pm - 3:15pm   | Seats (Total: 18)<br>TWS 1321 |
| 2007 | Laura Williams<br>MWF 11:00am - 11:50am  | Seats (Total: 18)<br>LEF 1171 |

## ENGL130

### **Race and the Cultural Politics of Blood: A Historical Perspective**

Credits: 3

Grading Method: Regular

General Education: DSHU,  
SCIS

*Credit only granted for: ENGL130 or ENGL237. Formerly: ENGL237.*

*Exploration of race, as term and concept, at three different historical times and from three different perspectives, through the reading of three stories: William Shakespeare's drama Othello, Aphra Behn's novella Oroonoko, and the short story Benito Cereno by Herman Melville. Exploration of the importance of context in interpretation. Study of how a concept for rationalizing human difference appears and adapts, fuses and fades away, relocates and is repurposed. How understanding of the particular situation of the concept, its context, changes our reading of the story.*

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0201 | Kim Coles            | Seats (Total: 24) |            |
|      | MW 12:00pm - 12:50pm | TWS 1100          |            |
|      | F 10:00am - 10:50am  | TWS 0214          | Discussion |
| 0202 | Kim Coles            | Seats (Total: 24) |            |
|      | MW 12:00pm - 12:50pm | TWS 1100          |            |
|      | F 11:00am - 11:50am  | TWS 0214          | Discussion |
| 0203 | Kim Coles            | Seats (Total: 24) |            |
|      | MW 12:00pm - 12:50pm | TWS 1100          |            |
|      | F 12:00pm - 12:50pm  | TWS 0214          | Discussion |
| 0204 | Kim Coles            | Seats (Total: 24) |            |
|      | MW 12:00pm - 12:50pm | TWS 1100          |            |
|      | F 1:00pm - 1:50pm    | TWS 0214          | Discussion |

## ENGL140

### American Fictions: Cross-Examining U.S. Literature, History, and Politics

Credits: 3

Grading Method: Regular

General Education: DSHU,  
SCIS

*Credit only granted for: ENGL140 or ENGL289Y. Formerly: ENGL289Y.*

*Major works of American literature explored in relation to major texts and developments of U.S. history, culture and politics. Special attention to global contexts and complications of "American" literature and history. Key historical and political issues include human rights, democratic principles, independence, revolution, slavery, removal, immigration, free speech, labor rights, civil rights, feminism, environmentalism, economic globalization, technology and digital innovation, and the role literature and the humanities may play in fostering various forms of responsible citizenship.*

|      |                     |                   |            |
|------|---------------------|-------------------|------------|
| 0101 | Peter Mallios       | Seats (Total: 24) |            |
|      | MW 1:00pm - 1:50pm  | TWS 1100          |            |
|      | F 10:00am - 10:50am | TWS 0236          | Discussion |
| 0102 | Peter Mallios       | Seats (Total: 24) |            |
|      | MW 1:00pm - 1:50pm  | TWS 1100          |            |
|      | F 11:00am - 11:50am | TWS 0236          | Discussion |
| 0103 | Peter Mallios       | Seats (Total: 24) |            |
|      | MW 1:00pm - 1:50pm  | TWS 1100          |            |
|      | F 12:00pm - 12:50pm | TWS 0236          | Discussion |

|      |                    |                   |            |
|------|--------------------|-------------------|------------|
| 0104 | Peter Mallios      | Seats (Total: 24) |            |
|      | MW 1:00pm - 1:50pm | TWS 1100          |            |
|      | F 1:00pm - 1:50pm  | TWS 0236          | Discussion |

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## ENGL150      **Uncanny Technologies: Monsters, Droids, and Vampires**

Credits: 3      Grading Method: Regular      General Education: DSHU, SCIS

*Credit only granted for: ENGL150 or ENGL289T. Formerly: ENGL289T.*

*Explores dark, uncertain borders between human and nonhuman, natural and unnatural, life and death. What literature teaches about new technologies that seek to represent or replicate human experience. Examination of a series of nineteenth-century American, French, German, and British novels and stories from Frankenstein (1818) to Dracula (1897) featuring recently introduced media and inventions such as photographs, phonographs, automata, and motion pictures that are concerned, like works of literature, with recording and reproducing human consciousness and human body.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0201 | Kelly Singleton        | Seats (Total: 30) |
|      | TuTh 11:00am - 12:15pm | TWS 1107          |
| 0301 | Kelly Singleton        | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm   | TWS 0207          |

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## ENGL201      **Inventing Western Literature: Ancient and Medieval Traditions**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HL      General Education: DSHU

*Wide range of texts, genres, and themes from ancient and medieval Western traditions. Study of cultural, historical, and artistic forces shaping traditions, and the influence and relevance of those traditions to life in twenty-first century.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Nathan Tillman        | Seats (Total: 30) |
|      | MWF 12:00pm - 12:50pm | ASY 3219          |

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## ENGL202      **Inventing Western Literature: Renaissance to Modern**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HL      General Education: DSHU

*Wide range of texts from the Renaissance to the 21st century. Themes and literary techniques in the evolution of Western literature. Print publication, industrialization, questioning of religious, political, intellectual, and cultural authority.*

**Contact department for information to register for this course.**



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**ENGL206****Shakespeare**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: HL                      General Education: DSHU

*Credit only granted for: ENGL205, ENGL206, or ENGL289I. Formerly: ENGL205.*

*Shakespeare's poems, history plays, comedies, and tragedies as investigations into language use, governance, sexuality, ethics, and mortality.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Garth Libhart        | Seats (Total: 30) |
|      | MWF 1:00pm - 1:50pm  | TWS 0201          |
| 0201 | Justine DeCamillis   | Seats (Total: 30) |
|      | TuTh 3:30pm - 4:45pm | KEY 0102          |

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**ENGL211****English Literature: Beginnings to 1800**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: HL                      General Education: DSHU

*Surveys medieval and early modern literary works written in England. Readings may include Beowulf, Chaucer, Spenser, Mary Wroth, Milton; eighteenth-century satire, drama, novels.*

**Contact department for information to register for this course.**

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**ENGL221****American Literature: Beginning to 1865**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: HL                      General Education: DSHU

*Surveys American writing from the founding of the colonies through the Civil War. Authors such as Taylor, Cooper, Poe, Dickinson.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Timothy Bruno          | Seats (Total: 30) |
|      | TuTh 11:00am - 12:15pm | TWS 1106          |

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**ENGL222****American Literature: 1865 to Present**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: HL                      General Education: DSHU

*Surveys American writing from the Civil War through the Cold War. Authors such as Clemens, Frost, Hurston, Bellow.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0301 | Collier Cobb          | Seats (Total: 30) |
|      | TuTh 9:30am - 10:45am | TWS 0236          |

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**ENGL234****African-American Literature and Culture**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: HL, D                      General Education: DSHU,  
DVUP

*An exploration of the stories black authors tell about themselves, their communities, and the nation as informed by time and place, gender, sexuality, and class. African American perspective themes such as art, childhood, sexuality, marriage, alienation and mortality, as well as representations of slavery, Reconstruction, racial violence and the Nadir, legalized racism and segregation, black patriotism and black ex-patriots, the optimism of integration, and the prospects of a post-racial America.*

Also offered as AASP298L. Credit will be granted for one of the following: AASP298L or ENGL234.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0201 | Norrell Edwards       | Seats (Total: 30) |
|      | MWF 12:00pm - 12:50pm | JMZ 0208          |

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**ENGL235****U.S. Latina/o Literature and Culture**

Credits: 3                      Grading Method: Regular,  
Pass-Fail                      CORE: HL, D                      General Education: DSHU,  
DVUP

*Poetry, prose, and theater of Latina/o communities in the United States from origins in Spanish colonization of North America to ongoing development in the 21st century. How authors use literary form to gain insight into human experience, including mortality, religious belief, gender and sexuality, war and peace, family, language use, scientific inquiry, cultural tradition, ecology, and labor. How Latina/o literary traditions have shaped and been shaped by broader currents in American literature. Connections between Latina/o literature and social and artistic developments in other parts of the world, particularly Latin America and the Caribbean. Authors may include Alvar Nunez Cabeza de Vaca, Eulalia Perez, Juan Nepomuceno Seguin, Maria Amparo Ruiz de Burton, Jose Marti, Arthur A. Schomburg, Jesus Colon, Julia de Burgos, Cesar Chavez, Ariel Dorfman, Gloria Anzaldua, Junot Diaz, and Cristina Garcia.*

Additional Note: Also offered as AMST298Q. Credit granted for ENGL235 or AMST298Q.

|      |                               |                   |
|------|-------------------------------|-------------------|
| 0201 | Sharada Balachandran Orihuela | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm          | TWS 0214          |

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**ENGL240****Introduction to Fiction, Poetry, and Drama**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: HL

*Readings in the novel, short story, poetry and drama.*

**Contact department for information to register for this course.**

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**ENGL243****What is Poetry?**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HL      General Education: DSHU

*An exploration of arguably the most complex, profound, and ubiquitous expression of human experience. Study through close reading of significant forms and conventions of Western poetic tradition. Poetry's roots in oral and folk traditions and connections to popular song forms.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Hillary Roegelein     | Seats (Total: 30) |
|      | MWF 12:00pm - 12:50pm | KEY 0102          |
| 0201 | Thibault Raoult       | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm  | TWS 0221          |

**ENGL245****Film Form and Culture**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HA      General Education: DSHU

*Restriction: Must not have completed FILM245. Also offered as: FILM245. Credit only granted for: CMLT214, CMLT245, ENGL245, or FILM245. Formerly: CMLT214.*

*Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.*

|      |                     |                          |
|------|---------------------|--------------------------|
| 0101 | Eric Zakim          | Seats (Total: 25)        |
|      | MW 2:00pm - 2:50pm  | TWS 0320                 |
|      | W 3:00pm - 5:30pm   | TWS 0320      Lab        |
|      | F 10:00am - 10:50am | TWS 0205      Discussion |
| 0102 | Eric Zakim          | Seats (Total: 25)        |
|      | MW 2:00pm - 2:50pm  | TWS 0320                 |
|      | W 3:00pm - 5:30pm   | TWS 0320      Lab        |
|      | F 11:00am - 11:50am | TWS 1107      Discussion |
| 0103 | Eric Zakim          | Seats (Total: 25)        |
|      | MW 2:00pm - 2:50pm  | TWS 0320                 |
|      | W 3:00pm - 5:30pm   | TWS 0320      Lab        |
|      | F 12:00pm - 12:50pm | TWS 0201      Discussion |

|   |                            |                   |            |
|---|----------------------------|-------------------|------------|
| 0104  | Eric Zakim                 | Seats (Total: 25) |            |
|   | MW 2:00pm - 2:50pm         | TWS 0320          |            |
|   | W 3:00pm - 5:30pm          | TWS 0320          | Lab        |
|   | F 1:00pm - 1:50pm          | TWS 1107          | Discussion |
| 0201  | Paul Cote                  | Seats (Total: 30) |            |
|   | TuTh 2:00pm - 3:15pm       | TWS 0320          |            |
|   | Tu 3:30pm - 6:00pm         | TWS 0320          | Lab        |
| FCH1  | Audrey Farley              | Seats (Total: 24) |            |
|   | M 6:00pm - 7:15pm          | TLF 1101          |            |
|   | Class time/details on ELMs | ONLINE            |            |
| <i>Restricted to students in Freshmen Connection.</i> |                            |                   |            |

## ENGL250

### Reading Women Writing

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HL, D      General Education: DSHU, DVUP

*Also offered as: WMST255. Credit only granted for: ENGL250 or WMST255.*

*Explores literary and cultural expressions by women and their receptions within a range of historical periods and genres. Topics such as what does a woman need in order to write, what role does gender play in the production, consumption, and interpretation of texts, and to what extent do women comprise a distinct literary subculture. Interpretation of texts will be guided by feminist and gender theory, ways of reading that have emerged as important to literary studies over the last four decades.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0201 | Lindsey O'Neil        | Seats (Total: 30) |
|      | TuTh 12:30pm - 1:45pm | KEY 0125          |

## ENGL255

### Literature of Science and Technology

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HL      General Education: DSHU

*Credit only granted for: ENGL255 or ENGL278T. Formerly: ENGL278T.*

*Examines science and technology through the lens of British and America literature, primarily between 1800 and the present. Readings from early natural and experimental philosophers of the Scientific Revolution and Enlightenment. How literary works represent the ethics of science and technology; beneficial developments of science, and also heavy toll of industrialization. Writers studied may include Francis Bacon, Mary Shelley, Charles Darwin, H.G. Wells, Albert Einstein, Aldous Huxley, Richard Feynman, Philip K. Dick, Octavia Butler, Michael Frayn, and Tom Stoppard.*

|   |                       |                   |
|---|-----------------------|-------------------|
| 0101  | Tamar Leroy           | Seats (Total: 30) |
|   | TuTh 12:30pm - 1:45pm | JMZ 3205          |
| FC01  | Heather McHale        | Seats (Total: 30) |
|   | TuTh 6:00pm - 7:15pm  | TWS 0221          |
| <i>Restricted to students in Freshmen Connection.</i> |                       |                   |

## ENGL256 Fantasy Literature

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSHU

*How fantasy employs alternate forms of representation, such as the fantastical, estranging, or impossible, which other genres would not allow. Through novels, short stories, graphic novels, and film, traces fantasy's roots in mythology and folklore, then explores how modern texts build upon or challenge these origins. Examination of literary strategies texts use to represent the world through speculative modes. How to distinguish fantasy from, and relate it to, other genres such as science fiction, horror, fairy tales, and magical realism. Fantasy's investment in world-building, history, tradition, and categories of identity such as race, class, and gender. How fantasy, as a genre, form, and world-view, is well-suited to our contemporary reality.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Kathryn Frew          | Seats (Total: 30) |
|      | MWF 12:00pm - 12:50pm | JMZ 0103          |

## ENGL257 Children's Literature

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSHU

*Literature of the nineteenth through the twenty-first century concerned with, and written for, children and young adults. How such narratives speak to themes of changing social, religious, political, and personal identity. Through poetry, novels, graphic novels, and film, explores how children's tales encapsulate and reflect on human existence, while pushing boundaries of what constitutes "children's literature" and what exactly defines the "child." Considers questions of literary classification through investigation of political and religious issues, gender politics, animal rights, social justice, race, war, and what it means to "grow up."*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Daniel Kason       | Seats (Total: 30) |
|      | MW 3:30pm - 4:45pm | TWS 0236          |

## ENGL262 Introduction to the Hebrew Bible/Old Testament

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HL      General Education: DSHU

Also offered as: JWST262. Credit only granted for: JWST262, HEBR223, or ENGL262. Formerly: HEBR223.

An exploration of the origins and compositional history of biblical literature. Critical study of texts and socio-historical analysis of their background.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Matthew Suriano    | Seats (Total: 30) |
|      | MW 4:00pm - 5:15pm | KEY 0100          |

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## ENGL265 Lesbian, Gay, Bisexual, and Transgender Literatures

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HL, D      General Education: DSHU, DVUP

*Restriction: Must not have completed LGBT265. Also offered as: LGBT265. Credit only granted for: ENGL265 or LGBT265.*

*Exploration of literary and cultural expressions of sexuality and gender. Study of a range of historical periods and literary genres, such as essay, poetry, novel, drama, film. Topics include sexual norms and dissidence, gender identity and expression, the relationship between aesthetic forms and sexual subjectivity. Interpretation of texts particularly through the lens of queer theory. Examination of how sex and gender intersect with other forms of difference, including race and class.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Elizabeth McClure     | Seats (Total: 30) |
|      | TuTh 12:30pm - 1:45pm | TWS 0205          |
| 0201 | John Macintosh        | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm  | TWS 0205          |

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## ENGL269A Special Topics in Study Abroad II; German Romanticism in its European Context

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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## ENGL269B Special Topics in Study Abroad II; Writing Workshop I

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL269C****Special Topics in Study Abroad II; Writing Workshop II**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

**ENGL269R****Special Topics in Study Abroad II; Writing Rome**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

**ENGL271****Writing Poems and Stories: An Introductory Workshop**

Credits: 3                      Grading Method: Regular,                      General Education: DSSP  
    Pass-Fail, Audit

*Introduction to theory and practice of writing fiction and poetry. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.*

|   |  |                               |
|---|--|-------------------------------|
| 0101  | Emily Myrick<br>TuTh 12:30pm - 1:45pm  | Seats (Total: 20)<br>KEY 0124 |
| 0201  | Derek Ellis<br>MW 2:00pm - 3:15pm      | Seats (Total: 20)<br>KEY 0123 |
| 0301  | Anna Goodson<br>TuTh 9:30am - 10:45am  | Seats (Total: 20)<br>KEY 0124 |
| FC01  | Lindsay Bernal<br>TuTh 6:00pm - 7:15pm | Seats (Total: 20)<br>KEY 0123 |
| <i>Restricted to students in Freshmen Connection.</i> |  |                               |

**ENGL272****Writing Fiction: A Beginning Workshop**

Credits: 3                      Grading Method: Regular,                      General Education: DSSP  
    Pass-Fail, Audit

*Introduction to theory and practice of writing fiction. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Nicolette Polek<br>TuTh 9:30am - 10:45am          | Seats (Total: 20)<br>KEY 0125 |
| 0201 | Heather De Bel<br>MW 2:00pm - 3:15pm              | Seats (Total: 20)<br>KEY 0120 |
| 0301 | Jason Smith, Emily Lyons<br>TuTh 12:30pm - 1:45pm | Seats (Total: 20)<br>KEY 0123 |
| 0401 | Carlos Chism<br>TuTh 12:30pm - 1:45pm             | Seats (Total: 20)<br>LEF 1220 |

## ENGL273

### Writing Poetry: A Beginning Workshop

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      General Education: DSSP

*Introduction to theory and practice of writing poetry. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.*

|      |                                      |                               |
|------|--------------------------------------|-------------------------------|
| 0101 | Kiyanna Hill<br>MW 2:00pm - 3:15pm   | Seats (Total: 20)<br>KEY 0125 |
| 0201 | Caitlin Reid<br>TuTh 2:00pm - 3:15pm | Seats (Total: 20)<br>KEY 0123 |

## ENGL274

### Creative Writing Through The Eyes of African Americans: A Beginning Workshop

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      General Education: DSSP

*Restriction: Must not have completed ENGL278C, AASP298W, ENGL271, ENGL274, ENGL294, ENGL294N, or AASP274. Also offered as: AASP274. Credit only granted for: ENGL274, ENGL278C, ENGL294, ENGL294N, AASP274 or AASP298W. Formerly: ENGL278C.*

*Introduction to theory and practice of writing fiction, drama and poetry, with an emphasis on African American literary models. Critical reading, exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Dorothy Phaire<br>TuTh 9:30am - 10:45am | Seats (Total: 20)<br>NCC 0120 |
|------|---|-------------------------------|



## Writing to be Seen: Scriptwriting for Theatre, Film, and Television

General Education: DSHU,  
DSSP

Also offered as: ARHU275. Credit only granted for: ENGL278D, ENGL275, ARHU319B, or ARHU275.  
Formerly: ENGL278D; ARHU319B.

*Introduction to the theory and practice of scriptwriting with an opportunity to read, view, evaluate, write, and revise texts meant to be performed. Students will practice writing for the stage, film, and television and also examine selected scripts, performances, and film and television clips as models for their own creative work. Students will complete frequent writing exercises, participate in workshops, and learn to apply scholarship to the analysis and critique of scripts.*

Also offered as ARHU275.

|      |                                      |                               |
|------|--------------------------------------|-------------------------------|
| 0101 | Douglas Kern<br>TuTh 3:30pm - 4:45pm | Seats (Total: 20)<br>KEY 0119 |
| 0201 | Heidi Scott<br>MWF 10:00am - 10:50am | Seats (Total: 19)<br>TWS 0221 |
| 0202 | Heidi Scott<br>MWF 10:00am - 10:50am | Seats (Total: 1)<br>TWS 0221  |

*This section is restricted to students in the Jimenez-Porter Writers' House.*

## Special Topics in Literature; German Romanticism in its European Context

Grading Method: Regular,  
Pass-Fail. Audit

**Contact department for information to register for this course.**

## Special Topics in Literature; The Romantic Experience in Europe

Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

## Special Topics in Literature; German Romanticism in its European Context

Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

## The English Language

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO      General Education: DSHU

*Introduction to the structure of English and its historical development with a focus on techniques of linguistic analysis. Major topics include the sound systems of English and its patterns of word formation and sentence structure, and the ways these have changed over time and vary around the world.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Linda Coleman         | Seats (Total: 30) |
|      | TuTh 12:30pm - 1:45pm | TWS 0221          |

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**ENGL282****How Rhetoric Works: Persuasive Power and Strategies**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO      General Education: DSHU

*Examines how persuasion functions and influences our lives and perception, focusing on a variety of contexts: business, politics, media, law, and entertainment. Students learn persuasive and argumentative principles to understand what rhetoric is, how it works, and what it does, and to apply the knowledge to produce effective communication appropriate for their purpose, audience, and context. A wide range of persuasive media, genres, and forms will be studied to help students sharpen how they interpret and practice persuasion.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Danielle Griffin    | Seats (Total: 30) |
|      | MWF 1:00pm - 1:50pm | ASY 3219          |

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**ENGL291****Writing, Revising, Persuading**

Credits: 3      Grading Method: Regular      General Education: DSHU, DSSP

*Prerequisite: Must have satisfied Fundamental Studies Academic Writing requirement.*

*Intermediate-level, writing-intensive course for students who have successfully satisfied the Fundamental Studies Academic Writing requirement but wish to hone skills in analyzing and producing rhetorically attuned, well-styled prose. Deeper study of rhetorical theory and its application to a wide variety of arguments and situations. Additional writing practice, techniques of revision, study of effect of stylistic choices. Topics may include argumentation theory, visual rhetoric, stylistic theory, and writing theory.*

**Contact department for information to register for this course.**

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**ENGL293****Writing in the Wireless World**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO      General Education: DSHU, DSSP

*Recommended: ENGL101. Credit only granted for: ENGL278Z or ENGL293. Formerly: ENGL278Z.*

*A hands-on exploration of writing at the intersection of technology and rhetoric. Students will learn to read, analyze, and compose the kind of multimodal documents (combining text, image, and sound) that constitute communication in our digital world.*

|   |                    |                   |
|---|--------------------|-------------------|
| 0101  | Lyra Hilliard      | Seats (Total: 22) |
|   | MW 2:00pm - 3:15pm | JMZ 1117          |
| FC01  | Porter Olsen       | Seats (Total: 22) |
|   | MW 6:00pm - 7:15pm | TWS 0205          |
| <i>Restricted to students in Freshmen Connection.</i> |                    |                   |

## **ENGL294 Persuasion and Cleverness in Social Media**

Credits: 3

Grading Method: Regular

General Education: DSHU,  
DSSP

*Prerequisite: Must have satisfied Fundamental Studies Academic Writing requirement.*

*Exploration of various persuasive media encountered in daily life through the lens of rhetorical and critical theories. Principles of rhetoric and analysis of how persuasion functions across media. Invention of effective multimedia works appropriate to purpose, audience, and context. Concepts from cultural studies used to develop critical awareness about power and ideology and how they influence the way people produce and understand messages. By integration of technology, rhetoric, and cultural studies, students become more critically-rhetorically informed thinkers, authors, and audiences of arguments and culture in the digital age. Writing intensive course. No prior multimedia experience is expected.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Setsuko Yokoyama      | Seats (Total: 20) |
|      | MWF 12:00pm - 12:50pm | TWS 0232          |

## **ENGL296 Reading and Writing Disability**

Credits: 3

Grading Method: Regular,  
Pass-Fail

General Education: DSHU,  
DVUP

*Rhetoric-based course that locates and analyzes disability in various settings, modes, and texts. Investigates material and cultural effects of the language, stories, and myths of disability. Exploration of the many definitions and frameworks of disability. Disability as dynamic lived experiences, as a political identities, as a rich culture, as socially constructed barriers, and as an oppressed minority group. Social, medical, political, cultural, and personal definitions of disability; how disability is portrayed, controlled, stereotyped, and celebrated.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Virginia Butler       | Seats (Total: 20) |
|      | MWF 11:00am - 11:50am | TWS 0201          |

**ENGL297****Introduction to Professional Writing**

Credits: 3

Grading Method: Regular

General Education: DSSP

*Prerequisite: ENGL 101.*

*Introduction to the rhetorical principles and professional practices of professional writing, particularly the research, writing, communication, analytical, and technological skills needed for the Professional Writing minor. How culture and technology relate to the work of professional writing; design principles and rhetorical moves; digital tools, research skills, and writing strategies of professional writers. Develops skills needed to publish a writing portfolio that showcases students' professional writing competencies and projects your professional writer identities.*

|      |                         |                   |
|------|-------------------------|-------------------|
| 0101 | Anna Szczepaniec-Bialas | Seats (Total: 22) |
|      | MW 2:00pm - 3:15pm      | TWS 0224          |

**ENGL301****Critical Methods in the Study of Literature**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in English Language and Literature program; or must be in Secondary Educ: English Language Arts program.*

*An introduction to the techniques of literary analysis and a brief survey of the most common approaches to literature.*

|      |                               |                   |
|------|-------------------------------|-------------------|
| 0201 | Scott Trudell                 | Seats (Total: 21) |
|      | MW 3:30pm - 4:45pm            | TWS 3132          |
| 0301 | Sharada Balachandran Orihuela | Seats (Total: 21) |
|      | TuTh 11:00am - 12:15pm        | TWS 0205          |
| 0401 | Nathaniel Underland           | Seats (Total: 21) |
|      | TuTh 12:30pm - 1:45pm         | TWS 3132          |
| 0501 | David Wyatt                   | Seats (Total: 21) |
|      | TuTh 2:00pm - 3:15pm          | TWS 3132          |
| 0701 | Vessela Valiavitcharska       | Seats (Total: 21) |
|      | MW 2:00pm - 3:15pm            | TWS 3132          |

**ENGL302****Medieval Literature in Translation**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Surveys major works of English and continental Middle Ages. Readings may include romance, lyric and drama, Germanic epic, works of Dante, Chretien de Troyes, Jean de Meun, Christine de Pisan, Malory, English and continental mystics.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Thomas Moser          | Seats (Total: 25) |
|      | TuTh 9:30am - 10:45am | TWS 0201          |

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**ENGL304      The Major Works of Shakespeare**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      General Education: DSHU

*Restriction: Must not have completed ENGL403 or ENGL404.*

*Representative early, middle, and later works, including comedies, tragedies, histories, and romances. Historical and cultural contexts.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0201 | Jonathan Williams     | Seats (Total: 28) |
|      | TuTh 12:30pm - 1:45pm | TWS 1107          |

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**ENGL305      Shakespeare and His Contemporaries: An Introduction**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Readings in Shakespeare and contemporaries such as Marlowe, Dekker, Middleton, Jonson, Webster, Chapman, Marston. Elizabethan and Jacobean theatrical and social contexts.*

**Contact department for information to register for this course.**

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**ENGL310      Medieval and Renaissance British Literature**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Detailed study of selected major medieval and Renaissance works written in England. Cultural attitudes and historical contexts. May include Beowulf, Anglo-Saxon lyric, drama, sonnets; works of women writers, Chaucer, Spenser, Sidney. Some readings in Middle English.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Christopher Crane    | Seats (Total: 28) |
|      | TuTh 2:00pm - 3:15pm | TWS 0201          |

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**ENGL311      British Literature from 1600 to 1800**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*The culture of seventeenth and eighteenth-century Britain seen through detailed study of selected major texts. Drama, poetry, political writings, and early novels by men and women. Authors may include Donne, Milton, Jonson, Behn, Swift, Pope, Montagu, and Wollstonecraft.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Jonathan Williams    | Seats (Total: 28) |
|      | TuTh 3:30pm - 4:45pm | TWS 0214          |

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## **ENGL312 Romantic to Modern British Literature**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Detailed study of selected major texts from the 19th and 20th centuries Transitions from Romanticism to Victorian age to Modernism. Historical, social, literary contexts. Issues such as rise of democracy; industrial revolution; the "woman question"; revolutions in literary form. Authors might include Wordsworth, Austen, Dickens, Arnold, T.S. Eliot, and Woolf.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0201 | Heidi Scott         | Seats (Total: 28) |
|      | MWF 1:00pm - 1:50pm | TWS 1106          |

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## **ENGL313 American Literature**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*A detailed study of selected major texts of American literature from the 17th century to the 20th century. Issues such as race, gender, and regionalism. Authors such as Franklin, Hawthorne, Dickinson, Hemingway, and Morrison.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Blake Wilder         | Seats (Total: 28) |
|      | TuTh 5:00pm - 6:15pm | TWS 0201          |

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## **ENGL327 The Suburbs in American Literature and Film**

Credits: 3                      Grading Method: Regular,                      General Education: DSHU,  
Pass-Fail                      DVUP

*Explores through written expression and through cinema the diverse and changing world of US suburbia. Premised on two arguments: (1) the suburbs embody many of the contours and contradictions of American life; and (2) the suburbs are far more racially, ethnically, culturally, sexually, economically diverse than mass media suggests. Investigation via prose, poetry, drama, and cinema, as well as secondary sources in sociology, women's studies, ethnic studies, history, cultural studies, psychology, anthropology, and the history of science and technology.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Randy Ontiveros    | Seats (Total: 28) |
|      | MW 2:00pm - 3:15pm | TWS 1320          |

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**ENGL329C      Special Topics in Film Studies; Sexuality in the Cinema**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Studies in various periods and genres of film.*

Also offered as CMLT398L. Credit will be granted for only one of the following: CMLT398L, CMLT498L, or ENGL329C.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Eugene Robinson            | Seats (Total: 28) |
|      | Class time/details on ELMs | ONLINE            |

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**ENGL329J      Special Topics in Film Studies; The Films of Alfred Hitchcock**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Studies in various periods and genres of film.*

Prerequisite: ENGL245, FILM245, FILM283, or SLLC283; or permission of department. Also offered as FILM345. Credit only granted for FILM345 or ENGL329J.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Marianne Conroy       | Seats (Total: 30) |
|      | TuTh 12:30pm - 1:45pm | TWS 1106          |

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**ENGL329V      Special Topics in Film Studies; Presentations of London in Modern European Literature Film and Fine Art**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Studies in various periods and genres of film.*

**Contact department for information to register for this course.**

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**ENGL331      American Jewish Literature**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Also offered as: JWST341. Credit only granted for: ENGL379L (Spring 2013), HONR229G (Spring 2008), JWST319T(Spring 2013), ENGL331, or JWST341. Formerly: ENGL379L and JWST319T.*

*An exploration of the role played by literature in the development of American Jewish ethnic identity. Primary materials include essays, poetry, plays, short stories, novels, films and music.*

Also offered as: JWST341. Credit only granted for: ENGL379L, HONR229G, JWST319T, ENGL331, or JWST341. Formerly: ENGL379L and JWST319T.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Sheila Jelen          | Seats (Total: 25) |
|      | TuTh 9:30am - 10:45am | TWS 0221          |

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## **ENGL332**      **Representing the Holocaust**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Also offered as: JWST346. Credit only granted for: ENGL379J, JWST419I, ENGL332, or JWST346. Formerly: ENGL379J or JWST419I.*

*Different perspectives on how the Holocaust should be represented. Examination of a wide range of texts including fiction, memoirs, critical essays, poems and films in different languages (in translation). Emphasis on the international and comparative nature of Holocaust literary studies and investigation into the propriety of literary representation of historical catastrophe. Consideration of our own role as readers serving as witnesses to an event that has marked itself indelibly in the aesthetic history of the twentieth century.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Sheila Jelen           | Seats (Total: 35) |
|      | TuTh 11:00am - 12:15pm | TWS 0236          |

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## **ENGL344**      **Nineteenth-Century Fiction**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Major British, American, and other fiction writers of the nineteenth century studied in the context of the broad global, intellectual, and artistic interests of the century.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0201 | James Goodwin      | Seats (Total: 28) |
|      | MW 3:30pm - 4:45pm | TWS 1107          |

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## **ENGL346**      **Twentieth Century Fiction**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Major British, American, and other fiction writers of the twentieth century studied in the context of the broad global, intellectual, and artistic interests of the century.*



|      |                       |                   |
|------|-----------------------|-------------------|
| 0201 | Nathaniel Underland   | Seats (Total: 28) |
|      | TuTh 9:30am - 10:45am | TWS 0214          |

## ENGL352 Intermediate Fiction Workshop

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of A- in ENGL271; or minimum grade of A- in ENGL272; or permission of ARHU-English department. Credit only granted for: ENGL396 or ENGL352. Formerly: ENGL396.*

*A class in the making of fiction. Intensive discussion of students' own fiction. Readings include both fiction and essays about fiction by practicing writers. Writing short critical papers, responding to works of fiction, and the fiction of colleagues, in-class writing exercises, intensive reading, and thinking about literature, in equal parts, and attendance at readings.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Howard Norman      | Seats (Total: 15) |
|      | M 3:30pm - 6:00pm  | TWS 3248          |
| 0201 | Gabrielle Fuentes  | Seats (Total: 15) |
|      | Tu 3:30pm - 6:00pm | TWS 3248          |
| 0301 | Maud Casey         | Seats (Total: 15) |
|      | W 3:30pm - 6:00pm  | TWS 3252          |

## ENGL353 Intermediate Poetry Workshop

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of A- in ENGL271; or minimum grade of A- in ENGL273; or permission of ARHU-English department. Credit only granted for: ENGL397 or ENGL353. Formerly: ENGL397.*

*A class in the making of poetry. Intensive discussion of students' own poems. Readings in both poetry and essays about poetry by practicing poets. Writing short critical prose pieces, responding critically to colleagues' poems, in-class and outside writing exercises, memorization, and attendance at poetry readings.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Thibault Raoult    | Seats (Total: 15) |
|      | Tu 3:30pm - 6:00pm | TWS 3250          |

## ENGL358D Special Topics in U.S. Latina/o Literature; Cuban Poetry & Fiction Post-1980

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Study of works by U.S. Latina/o writers.*

**Contact department for information to register for this course.**

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**ENGL360 African, Indian and Caribbean Writers**

Credits: 3                      Grading Method: Regular,                      , D  
   Pass-Fail, Audit

*Selected writers from countries formerly colonies of Britain, France, Denmark, etc. Attention to ways regions have developed distinctive political and aesthetic values resulting from indigenous traditions and foreign influences.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0201 | Sangeeta Ray       | Seats (Total: 25) |
|      | MW 3:30pm - 4:45pm | TWS 0201          |

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**ENGL362 Caribbean Literature in English**

Credits: 3                      Grading Method: Regular,                      , D                      General Education: DSHU,  
   Pass-Fail, Audit                      DVUP

*Also offered as ENGL362. Credit granted for ENGL362 or LASC348E. Political and literary traditions that intersect in the fiction, poetry, and drama written in English by Caribbean writers, primarily during the 20th century.*

Also offered as LASC348E. Credit granted for ENGL362 or LASC348E.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0201 | Corey Lamont          | Seats (Total: 25) |
|      | TuTh 9:30am - 10:45am | TWS 1107          |

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**ENGL368B Special Topics in the Literature of Africa and the African Diaspora; Blues and African American Folksong**

Credits: 3                      Grading Method: Regular,                      , D  
   Pass-Fail, Audit

*Comparisons among the literary traditions in Africa, the Caribbean, and North and South America.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0201 | Barry Pearson         | Seats (Total: 28) |
|      | TuTh 12:30pm - 1:45pm | TWS 0201          |

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**ENGL368D Special Topics in the Literature of Africa and the African Diaspora; African American Folklore and Literature**

Credits: 3                      Grading Method: Regular,                      , D  
   Pass-Fail, Audit

*Comparisons among the literary traditions in Africa, the Caribbean, and North and South America.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0201 | Barry Pearson        | Seats (Total: 25) |
|      | TuTh 3:30pm - 4:45pm | TWS 0201          |

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**ENGL369A Special Topics in Study Abroad III; The Scene of Reading**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL369B Special Topics in Study Abroad III; Representing London: The Eighteenth Century I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL369C Special Topics in Study Abroad III; The Dickens City I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL369D Special Topics in Study Abroad III; Writing the First World War**

Credits: 3                      Grading Method: Regular,                      General Education: DSHU,  
Pass-Fail, Audit                      DVCC

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL369E Special Topics in Study Abroad III; The Crisis of Culture: Literature and Politics 1918-1948**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL369F Special Topics in Study Abroad III; British Drama from the 1950s to the Present**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL369G      Special Topics in Study Abroad III; Adapting Literature to Screen**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL369H      Special Topics in Study Abroad III; London Stage**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL369K      Special Topics in Study Abroad III; Great Directors**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL369L      Special Topics in Study Abroad III; Angloamerican Travelers in Spain**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL369Q      Special Topics in Study Abroad III; Literature of the Shoah**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL369Z      Special Topics in Study Abroad III; The London Stage**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL373****Senior Honors Project**

(Perm req)

Credits: 2

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENGL370. Restriction: Must be in English Language and Literature program.*

*Research and writing of senior honors project. Strongly recommended for students planning graduate work.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Jason Rudy        | Seats (Total: 20) |
|      | M 3:30pm - 5:30pm | TWS 3252          |

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**ENGL379M****Special Topics in Literature; British Plays in Performance**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Michael Olmert    | Seats (Total: 25) |
|      | M 3:30pm - 6:15pm | TWS 1121          |

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**ENGL379V****Special Topics in Literature; Gypsy Culture**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

Also offered as CMLT398N. Credit will be granted for only one of the following: CMLT398N, CMLT498N, or ENGL379V.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Eugene Robinson            | Seats (Total: 28) |
|      | Class time/details on ELMs | ONLINE            |

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**ENGL379W****Special Topics in Literature; Italian Tales and Stories: Creative Writing**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**ENGL379Y****Special Topics in Literature; American Science Fiction**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Lee Konstantinou     | Seats (Total: 28) |
|      | TuTh 3:30pm - 4:45pm | TWS 1106          |

### ENGL381

#### MGA Legislative Seminar

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: FSPW

*Prerequisite: Permission of ARHU-English department.*

*Classroom analysis component of the Maryland General Assembly internship program.*

Also offered as HONR368A. Credit only granted for one of the following: ENGL381 or HONR368A. Admission to this course is by application only. [Click here for more details.](#)

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Thomas Lowderbaugh | Seats (Total: 15) |
|      | Tu 3:30pm - 6:00pm | TWS 0232          |
| 0201 | Thomas Lowderbaugh | Seats (Total: 15) |
|      | W 3:30pm - 6:00pm  | TWS 0232          |

### ENGL384

#### Concepts of Grammar

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Introduction to the basic units of grammatical description; motivation for and nature of constituent structure and syntactic categories; fundamental grammatical concepts employed in the teaching and learning of languages.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Michael Israel        | Seats (Total: 25) |
|      | TuTh 9:30am - 10:45am | TWS 3132          |

### ENGL385

#### English Semantics

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*An introductory study of meaning in language and paralanguage. General semantics, kinesics, linguistic relativity and recent developments in linguistic semantics.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Michael Israel         | Seats (Total: 25) |
|      | TuTh 11:00am - 12:15pm | TWS 3136          |

**ENGL388A Writing Internship; Second Life Workshop in African American Literature**

(Perm req)

Credits: 1      Grading Method: Regular,  
Pass-Fail*Field work in English.***Contact department for information to register for this course.**

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**ENGL388D Writing Internship; Dickinson Electronic Archives**

(Perm req)

Credits: 1-6      Grading Method: Regular,  
Pass-Fail*Field work in English.*

Prerequisite: permission of department. Repeatable to 9 credits.

|   |                   |                  |
|---|-------------------|------------------|
| 0101  | Martha Nell Smith | Seats (Total: 5) |
| Contact instructor or department for details. |                   |                  |

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**ENGL388P Writing Internship; Pre-professional Writing Skills Internship**

(Perm req)

Credits: 1-6      Grading Method: Regular      General Education: DSSP

*Field work in English.*

Prerequisite: permission of department. Repeatable to 9 credits.

|   |             |                   |
|---|-------------|-------------------|
| 0101  | Karen Lewis | Seats (Total: 15) |
| Contact instructor or department for details. |             |                   |

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**ENGL388V Writing Internship; Undergraduate Teaching Assistants in Writing Programs**

(Perm req)

Credits: 1-6      Grading Method: Regular,  
Pass-Fail      General Education: DSSP*Field work in English.*

Prerequisite: permission of department. Repeatable to 12 credits. Contact Lyra Hilliard, lyrahill@umd.edu. Students taking ENGL388V for the first time should register for section 0101 or 0401 for 4 credits. When taking the course again in subsequent semesters, students should register for 2001 or 3001 for 3 credits.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Nabila Hijazi     | Seats (Total: 20) |
|      | W 5:00pm - 6:30pm | TWS 1320          |

|      |  |                               |
|------|--|-------------------------------|
| 0401 | Lyra Hilliard<br>Th 5:00pm - 6:30pm                            | Seats (Total: 20)<br>TWS 1320 |
| 2001 | Nabila Hijazi<br>Contact instructor or department for details. | Seats (Total: 10)             |
| 3001 | Lyra Hilliard<br>Contact instructor or department for details. | Seats (Total: 10)             |

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## **ENGL388W Writing Internship; Writing Center Internship**

(Perm req)

Credits: 1-6

Grading Method: Regular

General Education: DSSP

*Field work in English.*

Prerequisite: permission of department. Repeatable to 12 credits. To apply, go to <http://www.english.umd.edu/academics/writingcenter/internship> Students taking ENGL388W for the first time should register for section 0101 for 4 credits. When taking the course again in subsequent semesters, students should register for 2001 or 3001.

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Thomas Earles<br>M 3:30pm - 6:00pm<br>Contact instructor or department for details.<br><br><i>Students registering for 0101 should register for four credits.</i> | Seats (Total: 20)<br>TWS 3136 |
| 2001 | Thomas Earles<br>Contact instructor or department for details.  | Seats (Total: 4)              |

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## **ENGL390 Science Writing**

Credits: 3

Grading Method: Regular

General Education: FSPW

*Prerequisite: ENGL 101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits; and junior standing or higher. Credit only granted for: ENGL390 or ENGL393S. Formerly: ENGL393S.*

*Specifically designed for students interested in further study in the physical and biological sciences. Exposes students to the conventions of scientific prose in the genres of research articles and proposals. Students learn to accommodate scientific information to general audiences.*

*Click here for more course information.*

|      |                                      |                               |
|------|--------------------------------------|-------------------------------|
| 0101 | Marybeth Shea<br>MWF 9:00am - 9:50am | Seats (Total: 19)<br>TWS 0224 |
|------|--------------------------------------|-------------------------------|



|      |   |                               |
|------|---|-------------------------------|
| 0301 | Katherine Oneill<br>MWF 11:00am - 11:50am   | Seats (Total: 19)<br>HBK 0125 |
| 0401 | Katherine Oneill<br>MWF 12:00pm - 12:50pm   | Seats (Total: 19)<br>TWS 0207 |
| 0501 | Katherine Oneill<br>MWF 1:00pm - 1:50pm     | Seats (Total: 19)<br>TWS 0207 |
| 1001 | Diana Friedman<br>TuTh 8:00am - 9:15am      | Seats (Total: 19)<br>TWS 0207 |
| 1101 | Diana Friedman<br>TuTh 9:30am - 10:45am     | Seats (Total: 19)<br>TWS 0207 |
| 1501 | Robin Allen-Klein<br>TuTh 3:30pm - 4:45pm   | Seats (Total: 19)<br>TWS 1105 |
| 1505 | Robin Allen-Klein<br>TuTh 5:00pm - 6:15pm   | Seats (Total: 19)<br>TWS 0207 |
| 1601 | Richard Reynnells<br>Tu 6:30pm - 9:10pm     | Seats (Total: 19)<br>TWS 0207 |
| 1801 | Richard Reynnells<br>W 6:30pm - 9:10pm      | Seats (Total: 19)<br>TWS 0234 |
| 9001 | John Matthews<br>Class time/details on ELMs | Seats (Total: 19)<br>ONLINE   |
| 9002 | John Matthews<br>Class time/details on ELMs | Seats (Total: 19)<br>ONLINE   |
| 9003 | John Matthews<br>Class time/details on ELMs | Seats (Total: 19)<br>ONLINE   |
| 9004 | John Matthews<br>Class time/details on ELMs | Seats (Total: 19)<br>ONLINE   |

Credits: 3

Grading Method: Regular

General Education: FSPW

*Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits; and junior standing or higher. Credit only granted for: ENGL390 or ENGL393S. Formerly: ENGL393S.*

*Specifically designed for students interested in further study in the physical and biological sciences. Exposes students to the conventions of scientific prose in the genres of research articles and proposals. Students learn to accommodate scientific information to general audiences.*

|      |  |                               |
|------|--|-------------------------------|
| 0201 | Marybeth Shea<br>MWF 10:00am - 10:50am | Seats (Total: 19)<br>TWS 0232 |
| 0301 | Marybeth Shea<br>MWF 11:00am - 11:50am | Seats (Total: 19)<br>TWS 0232 |

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## ENGL391

### Advanced Composition

Credits: 3

Grading Method: Regular

General Education: FSPW

*Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.*

*An advanced composition course which emphasizes constructing written arguments accommodated to real audiences.*

*[Click here for more course information.](#)*

|      |  |                               |
|------|--|-------------------------------|
| 0401 | Anna Szczepaniec-Bialas<br>MWF 12:00pm - 12:50pm | Seats (Total: 19)<br>TWS 0224 |
| 0402 | Robert Crane<br>MWF 12:00pm - 12:50pm            | Seats (Total: 19)<br>LEF 1171 |
| 0501 | Anna Szczepaniec-Bialas<br>MWF 1:00pm - 1:50pm   | Seats (Total: 19)<br>TWS 0224 |
| 0701 | Martha Thomas<br>MW 3:30pm - 4:45pm              | Seats (Total: 19)<br>TWS 0207 |
| 0801 | Martha Thomas<br>MW 5:00pm - 6:15pm              | Seats (Total: 19)<br>TWS 0207 |
| 1101 | Melanie Faith<br>TuTh 9:30am - 10:45am           | Seats (Total: 19)<br>TWS 3136 |

|      |   |   |
|------|---|---|
| 1201 | Melanie Faith<br>TuTh 11:00am - 12:15pm                               | Seats (Total: 19)<br>TWS 0207           |
| 1301 | Melanie Faith<br>TuTh 12:30pm - 1:45pm                                | Seats (Total: 19)<br>TWS 0207           |
| 1701 | Mark Fitzgerald<br>Tu 6:30pm - 9:10pm                                 | Seats (Total: 19)<br>TWS 0224           |
| 1901 | Mark Fitzgerald<br>Th 6:30pm - 9:10pm                                 | Seats (Total: 19)<br>TWS 0224           |
| 9001 | Kate Wilson<br>Class time/details on ELMs                             | Seats (Total: 19)<br>ONLINE             |
| 9002 | Kate Wilson<br>Class time/details on ELMs                             | Seats (Total: 19)<br>ONLINE             |
| 9003 | Kara Pleasants<br>Class time/details on ELMs                          | Seats (Total: 19)<br>ONLINE             |
| 9004 | Kara Pleasants<br>Class time/details on ELMs                          | Seats (Total: 19)<br>ONLINE             |
| 9005 | Kara Pleasants<br>Class time/details on ELMs                          | Seats (Total: 19)<br>ONLINE             |
| 9006 | Kara Pleasants<br>Class time/details on ELMs                          | Seats (Total: 19)<br>ONLINE             |
| BL05 | Catherine Bayly<br>MF 10:00am - 10:50am<br>Class time/details on ELMs | Seats (Total: 19)<br>JMZ 1226<br>ONLINE |
| BL06 | Catherine Bayly<br>MF 11:00am - 11:50am<br>Class time/details on ELMs | Seats (Total: 19)<br>ATL 0201<br>ONLINE |

*Prerequisite: ENGL 101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.*

*An advanced composition course which emphasizes constructing written arguments accommodated to real audiences.*

For students in the University or departmental Honors program.

[Click here for more course information.](#)

|      |                       |                   |
|------|-----------------------|-------------------|
| 0201 | Mark Forrester        | Seats (Total: 19) |
|      | MWF 10:00am - 10:50am | TWS 1321          |

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## ENGL392

### Legal Writing

Credits: 3

Grading Method: Regular

General Education: FSPW

*Prerequisite: ENGL 101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.*

*Conventions of legal writing and research. Students learn how to read and write about cases, statutes or other legislation; how to apply legal principles to fact scenarios; and how to present a written analysis for readers in the legal profession. Assignments may include the law-school application essay, case briefs, legal memos, and client letters.*

[Click here for more course information.](#)

|      |                        |                   |
|------|------------------------|-------------------|
| 0201 | Robin Earnest          | Seats (Total: 19) |
|      | MWF 10:00am - 10:50am  | TWS 0224          |
| 0301 | Robin Earnest          | Seats (Total: 19) |
|      | MWF 11:00am - 11:50am  | TWS 0224          |
| 1101 | William Schatz         | Seats (Total: 19) |
|      | TuTh 9:30am - 10:45am  | JMZ 2123          |
| 1201 | William Schatz         | Seats (Total: 19) |
|      | TuTh 11:00am - 12:15pm | SYM 0209          |
| 1301 | John Kim               | Seats (Total: 19) |
|      | TuTh 12:30pm - 1:45pm  | BPS 1228          |
| 1601 | Michael Winett         | Seats (Total: 19) |
|      | M 6:30pm - 9:10pm      | TWS 0232          |

|      |                                      |                               |
|------|--------------------------------------|-------------------------------|
| 1701 | Michael Winett<br>Tu 6:30pm - 9:10pm | Seats (Total: 19)<br>TWS 0232 |
| 1801 | Michael Winett<br>W 6:30pm - 9:10pm  | Seats (Total: 19)<br>TWS 0224 |

## ENGL393

### Technical Writing

Credits: 3

Grading Method: Regular

General Education: FSPW

*Prerequisite: ENGL 101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.*

*The writing of technical papers and reports.*

*[Click here for more course information.](#)*

|      |  |                               |
|------|--|-------------------------------|
| 0001 | Patrick Nelson<br>MWF 8:00am - 8:50am    | Seats (Total: 19)<br>TWS 1105 |
| 0101 | Caleb Kriesberg<br>MWF 9:00am - 9:50am   | Seats (Total: 19)<br>TWS 1106 |
| 0102 | Laura Williams<br>MWF 9:00am - 9:50am    | Seats (Total: 19)<br>KEY 0102 |
| 0201 | Elliot Berger<br>MWF 10:00am - 10:50am   | Seats (Total: 19)<br>JUL 1105 |
| 0202 | Caleb Kriesberg<br>MWF 10:00am - 10:50am | Seats (Total: 19)<br>TWS 0207 |
| 0301 | Elliot Berger<br>MWF 11:00am - 11:50am   | Seats (Total: 19)<br>TWS 0207 |
| 0303 | Joan Mooney<br>MWF 11:00am - 11:50am     | Seats (Total: 19)<br>TWS 0234 |
| 0401 | Joan Mooney<br>MWF 12:00pm - 12:50pm     | Seats (Total: 19)<br>TWS 1105 |
| 0403 | Caleb Kriesberg<br>MWF 12:00pm - 12:50pm | Seats (Total: 19)<br>PLS 1168 |

|      |   |                               |
|------|---|-------------------------------|
| 0501 | Elliot Berger<br>MWF 1:00pm - 1:50pm          | Seats (Total: 19)<br>TWS 0234 |
| 0701 | Robert Oliver<br>MW 3:30pm - 4:45pm           | Seats (Total: 19)<br>TWS 1105 |
| 0801 | Robert Oliver<br>MW 5:00pm - 6:15pm           | Seats (Total: 19)<br>LEF 1222 |
| 1001 | Oliver Brearey<br>TuTh 8:00am - 9:15am        | Seats (Total: 19)<br>TWS 1105 |
| 1101 | Danuta Hinc<br>TuTh 9:30am - 10:45am          | Seats (Total: 19)<br>TWS 0230 |
| 1102 | Oliver Brearey<br>TuTh 9:30am - 10:45am       | Seats (Total: 19)<br>TWS 0234 |
| 1201 | Danuta Hinc<br>TuTh 11:00am - 12:15pm         | Seats (Total: 19)<br>TWS 0230 |
| 1402 | Danuta Hinc<br>TuTh 2:00pm - 3:15pm           | Seats (Total: 19)<br>TWS 0230 |
| 1505 | Katherine Robinson<br>TuTh 5:00pm - 6:15pm    | Seats (Total: 19)<br>TWS 0230 |
| 1602 | Kelly Cresap<br>M 6:30pm - 9:10pm             | Seats (Total: 19)<br>TWS 0207 |
| 1603 | Gabriela Vlahovici-Jones<br>M 6:30pm - 9:10pm | Seats (Total: 19)<br>TWS 0224 |
| 1702 | Peter Grybauskas<br>Tu 6:30pm - 9:10pm        | Seats (Total: 19)<br>TWS 0234 |
| 1801 | Candace Orsetti<br>W 6:30pm - 9:10pm          | Seats (Total: 19)<br>TWS 0232 |
| 1803 | Kelly Cresap<br>W 6:30pm - 9:10pm             | Seats (Total: 19)<br>TWS 1106 |

|      |  |                               |
|------|--|-------------------------------|
| 1901 | Peter Grybauskas<br>Th 6:30pm - 9:10pm         | Seats (Total: 19)<br>TWS 0234 |
| 1902 | Joshua Buursma<br>Th 6:30pm - 9:10pm           | Seats (Total: 19)<br>TWS 1105 |
| 9001 | Andrew Delfino<br>Class time/details on ELMs   | Seats (Total: 19)<br>ONLINE   |
| 9002 | Andrew Delfino<br>Class time/details on ELMs   | Seats (Total: 19)<br>ONLINE   |
| 9003 | Phillip Moses<br>Class time/details on ELMs    | Seats (Total: 19)<br>ONLINE   |
| 9004 | Phillip Moses<br>Class time/details on ELMs    | Seats (Total: 19)<br>ONLINE   |
| 9005 | Sajeela Yaqub<br>Class time/details on ELMs    | Seats (Total: 19)<br>ONLINE   |
| 9006 | Daniel Saalfeld<br>Class time/details on ELMs  | Seats (Total: 19)<br>ONLINE   |
| 9007 | Daniel Saalfeld<br>Class time/details on ELMs  | Seats (Total: 19)<br>ONLINE   |
| 9008 | Daniel Saalfeld<br>Class time/details on ELMs  | Seats (Total: 19)<br>ONLINE   |
| 9009 | Michelle Von Euw<br>Class time/details on ELMs | Seats (Total: 19)<br>ONLINE   |
| 9010 | Michelle Von Euw<br>Class time/details on ELMs | Seats (Total: 19)<br>ONLINE   |
| 9011 | Michelle Von Euw<br>Class time/details on ELMs | Seats (Total: 19)<br>ONLINE   |

|      |   |   |
|------|---|---|
| BL21 | David Miles<br>M 2:00pm - 3:15pm<br>W 2:00pm - 3:15pm<br><br><i>Blended Learning courses combine face-to-face and online interactions.</i>          | Seats (Total: 19)<br>KEY 0117<br>ONLINE |
| BL22 | Pamela Orel<br>W 2:00pm - 3:15pm<br>Class time/details on ELMs<br><br><i>Blended Learning courses combine face-to-face and online interactions.</i> | Seats (Total: 19)<br>CHE 2116<br>ONLINE |
| BL23 | David Miles<br>M 3:30pm - 4:45pm<br>W 3:30pm - 4:45pm<br><br><i>Blended Learning courses combine face-to-face and online interactions.</i>          | Seats (Total: 19)<br>ASY 3217<br>ONLINE |
| BL24 | Pamela Orel<br>W 3:30pm - 4:45pm<br>Class time/details on ELMs<br><br><i>Blended Learning courses combine face-to-face and online interactions.</i> | Seats (Total: 19)<br>CHE 2116<br>ONLINE |
| BL31 | David Miles<br>M 5:00pm - 6:15pm<br>W 5:00pm - 6:15pm<br><br><i>Blended Learning courses combine face-to-face and online interactions.</i>          | Seats (Total: 19)<br>ASY 3217<br>ONLINE |
| BL42 | David Miles<br>M 8:00pm - 9:15pm<br>W 8:00pm - 9:15pm   | Seats (Total: 19)<br>TWS 1105<br>ONLINE |
| BL51 | Sheila Lalwani<br>Tu 9:30am - 10:45am<br>Th 9:30am - 10:45am  | Seats (Total: 19)<br>SPH 0301<br>ONLINE |
| BL61 | Sheila Lalwani<br>Tu 11:00am - 12:15pm<br>Th 11:00am - 12:15pm  | Seats (Total: 19)<br>PLS 1158<br>ONLINE |
| BL62 | Pamela Orel<br>Th 11:00am - 12:15pm<br>Class time/details on ELMs   | Seats (Total: 19)<br>HBK 0105<br>ONLINE |



|      |   |   |
|------|---|---|
| BL65 | Sheila Lalwani<br>Tu 12:30pm - 1:45pm<br>Th 12:30pm - 1:45pm  | Seats (Total: 19)<br>EDU 2102<br>ONLINE |
| BL66 | Pamela Orel<br>Th 12:30pm - 1:45pm<br>Class time/details on ELMs  | Seats (Total: 19)<br>EGR 1110<br>ONLINE |
| BL75 | Sheila Lalwani<br>Tu 3:30pm - 4:45pm<br>Th 3:30pm - 4:45pm<br><br><i>Blended Learning courses combine face-to-face and online interactions.</i> | Seats (Total: 19)<br>JMZ 1215<br>ONLINE |
| BL81 | Sajeela Yaqub<br>Th 5:00pm - 6:15pm<br>Tu 5:00pm - 6:15pm<br><br><i>Blended Learning courses combine face-to-face and online interactions.</i>  | Seats (Total: 19)<br>TWS 3132<br>ONLINE |
| SA02 | Chanon Adsanatham<br><br>Contact instructor or department for details.  | Seats (Total: 0)                        |

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### ENGL393H Technical Writing

Credits: 3

Grading Method: Regular

General Education: FSPW

*Prerequisite: ENGL 101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.*

*The writing of technical papers and reports.*

Restricted to students in the University or departmental Honors program.

*[Click here for more course information.](#)*

|      |   |   |
|------|---|---|
| BL01 | Christopher Crane<br>Tu 5:00pm - 6:15pm<br>Th 5:00pm - 6:15pm | Seats (Total: 19)<br>ONLINE<br>TWS 1313 |
|------|---|---|

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### ENGL393Q Technical Writing

Credits: 3

Grading Method: Regular

General Education: FSPW

*Prerequisite: ENGL 101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.*

*The writing of technical papers and reports.*

|      |                    |                   |
|------|--------------------|-------------------|
| 3001 | Alexandra Calloway | Seats (Total: 19) |
|      | F 9:00am - 11:40am | TWS 1313          |

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### **ENGL393X      Technical Writing**

(Perm req)

Credits: 3

Grading Method: Regular

General Education: FSPW

*Prerequisite: ENGL 101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.*

*The writing of technical papers and reports.*

Limited to students for whom English is a second language and who have a score below any of the following: SAT Verbal 400, TOEFL 575, CELT 250. Students who have received an "A" in ENGL 101 or its equivalent cannot register for ENGL 393X.

*[Click here for more course information.](#)*

|      |                      |                   |
|------|----------------------|-------------------|
| 1501 | Daniel Saalfeld      | Seats (Total: 15) |
|      | TuTh 3:30pm - 4:45pm | TWS 0224          |

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### **ENGL394      Business Writing**

Credits: 3

Grading Method: Regular

General Education: FSPW

*Prerequisite: ENGL 101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.*

*Intensive practice in the forms of written communication common in the business world-letters, memos, short reports, and proposals. Principles of rhetoric and effective style.*

*[Click here for more course information.](#)*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Mary Turner           | Seats (Total: 19) |
|      | MWF 9:00am - 9:50am   | TWS 0207          |
| 0201 | Mary Turner           | Seats (Total: 19) |
|      | MWF 10:00am - 10:50am | TWS 0234          |
| 0301 | Ceil Goldberg         | Seats (Total: 19) |
|      | MWF 11:00am - 11:50am | TWS 0230          |

|      |   |                               |
|------|---|-------------------------------|
| 0401 | Mary Turner<br>MWF 12:00pm - 12:50pm      | Seats (Total: 19)<br>TWS 0234 |
| 0402 | Ceil Goldberg<br>MWF 12:00pm - 12:50pm    | Seats (Total: 19)<br>TWS 0230 |
| 0501 | Ceil Goldberg<br>MWF 1:00pm - 1:50pm      | Seats (Total: 19)<br>TWS 0230 |
| 0601 | Robert Oliver<br>MW 2:00pm - 3:15pm       | Seats (Total: 19)<br>LEF 1201 |
| 0602 | James Mattson<br>MW 2:00pm - 3:15pm       | Seats (Total: 19)<br>TWS 0234 |
| 0701 | Blake Wilder<br>MW 3:30pm - 4:45pm        | Seats (Total: 19)<br>TWS 0230 |
| 0801 | Blake Wilder<br>MW 5:00pm - 6:15pm        | Seats (Total: 19)<br>TWS 0230 |
| 0802 | James Mattson<br>MW 5:00pm - 6:15pm       | Seats (Total: 19)<br>TWS 0234 |
| 1201 | Adam Lloyd<br>TuTh 11:00am - 12:15pm      | Seats (Total: 19)<br>TWS 0234 |
| 1301 | Adam Lloyd<br>TuTh 12:30pm - 1:45pm       | Seats (Total: 19)<br>TWS 0234 |
| 1501 | Danuta Hinc<br>TuTh 3:30pm - 4:45pm       | Seats (Total: 19)<br>TWS 0230 |
| 1502 | Elizabeth McClure<br>TuTh 3:30pm - 4:45pm | Seats (Total: 19)<br>KNI 1105 |
| 1505 | Elizabeth McClure<br>TuTh 5:00pm - 6:15pm | Seats (Total: 19)<br>TWS 1105 |
| 1506 | Holly Smith<br>TuTh 5:00pm - 6:15pm       | Seats (Total: 19)<br>TWS 1107 |

|      |   |   |
|------|---|---|
| 1508 | Holly Smith<br>TuTh 6:30pm - 7:45pm                       | Seats (Total: 19)<br>TWS 1107           |
| 1701 | Jonathan Rick<br>Tu 6:30pm - 9:10pm                       | Seats (Total: 19)<br>TWS 1320           |
| 1902 | Carol Cron<br>Th 6:30pm - 9:10pm                          | Seats (Total: 19)<br>TWS 0207           |
| 3001 | Ellen Blumner<br>F 9:00am - 11:40am                       | Seats (Total: 19)<br>TWS 3252           |
| 9004 | Karen Angeline<br>Class time/details on ELMs              | Seats (Total: 19)<br>ONLINE             |
| 9005 | Karen Angeline<br>Class time/details on ELMs              | Seats (Total: 19)<br>ONLINE             |
| 9006 | Karen Angeline<br>Class time/details on ELMs              | Seats (Total: 19)<br>ONLINE             |
| 9007 | Karen Angeline<br>Class time/details on ELMs              | Seats (Total: 19)<br>ONLINE             |
| 9008 | Daune O'Brien<br>Class time/details on ELMs               | Seats (Total: 19)<br>ONLINE             |
| 9009 | Daune O'Brien<br>Class time/details on ELMs               | Seats (Total: 19)<br>ONLINE             |
| 9010 | Daune O'Brien<br>Class time/details on ELMs               | Seats (Total: 19)<br>ONLINE             |
| 9011 | Daune O'Brien<br>Class time/details on ELMs               | Seats (Total: 19)<br>ONLINE             |
| BL01 | Clare Parsons<br>Tu 8:00am - 9:15am<br>Th 8:00am - 9:15am | Seats (Total: 19)<br>ONLINE<br>TWS 0214 |

|      |  |   |
|------|--|---|
| BL02 | Clare Parsons<br>Tu 9:30am - 10:45am<br>Th 9:30am - 10:45am  | Seats (Total: 19)<br>ONLINE<br>TWS 3252 |
| BL03 | Clare Parsons<br>Tu 11:00am - 12:15pm<br>Th 11:00am - 12:15pm  | Seats (Total: 19)<br>ONLINE<br>ARC 1125 |
| SG91 | Katherine Robinson<br>TuTh 12:30pm - 1:45pm<br><br><i>Restricted to BMGT-Shady Grove Juniors in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.</i> | Seats (Total: 19)<br>BLD2 2062          |
| SG98 | Katherine Robinson<br>MW 9:30am - 10:45am<br><br><i>Restricted to COMM majors at Shady Grove.</i>  | Seats (Total: 19)<br>BLD3 4203          |

## ENGL395

### Writing for Health Professions

Credits: 3

Grading Method: Regular

General Education: FSPW

*Prerequisite: ENGL 101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.*

*Focus on accommodating technical material and empirical studies to lay audiences, and helping writers to achieve stylistic flexibility and correctness.*

*[Click here for more course information.](#)*

|      |  |                               |
|------|--|-------------------------------|
| 0101 | James Goodwin<br>MWF 9:00am - 9:50am   | Seats (Total: 19)<br>TWS 0234 |
| 0201 | James Goodwin<br>MWF 10:00am - 10:50am | Seats (Total: 19)<br>TWS 1105 |
| 0301 | James Goodwin<br>MWF 11:00am - 11:50am | Seats (Total: 19)<br>TWS 1321 |
| 0401 | Justin Lohr<br>MWF 12:00pm - 12:50pm   | Seats (Total: 19)<br>ARC 1123 |

|      |  |                               |
|------|--|-------------------------------|
| 0501 | Justin Lohr<br>MWF 1:00pm - 1:50pm         | Seats (Total: 19)<br>TWS 1105 |
| 0601 | Michael Schmidt<br>MW 2:00pm - 3:15pm      | Seats (Total: 19)<br>TWS 1105 |
| 0801 | Michael Schmidt<br>MW 5:00pm - 6:15pm      | Seats (Total: 19)<br>TWS 1105 |
| 0901 | Michael Schmidt<br>MW 6:30pm - 7:45pm      | Seats (Total: 19)<br>TWS 1105 |
| 1001 | Joseph Angelella<br>TuTh 8:00am - 9:15am   | Seats (Total: 19)<br>TWS 0205 |
| 1101 | Joseph Angelella<br>TuTh 9:30am - 10:45am  | Seats (Total: 19)<br>TWS 1105 |
| 1201 | Joseph Angelella<br>TuTh 11:00am - 12:15pm | Seats (Total: 19)<br>TWS 1105 |
| 1301 | Kisa Lape<br>TuTh 12:30pm - 1:45pm         | Seats (Total: 19)<br>TWS 0224 |
| 1402 | Kisa Lape<br>TuTh 2:00pm - 3:15pm          | Seats (Total: 19)<br>TWS 0224 |
| 1501 | Kisa Lape<br>TuTh 3:30pm - 4:45pm          | Seats (Total: 19)<br>TWS 0223 |
| 1505 | Joseph Wappel<br>TuTh 5:00pm - 6:15pm      | Seats (Total: 19)<br>TWS 0234 |
| 1507 | Joseph Wappel<br>TuTh 6:30pm - 7:45pm      | Seats (Total: 19)<br>TWS 1313 |
| 1701 | Kisa Lape<br>Tu 6:30pm - 9:10pm            | Seats (Total: 19)<br>TWS 0230 |

Credits: 3

Grading Method: Regular

General Education: FSPW

*Professional writing courses that focus on the audiences, conventions, and genres of particular disciplines, professions, or organizations. Examples include writing for the arts, writing case studies and investigative reports, writing about economics, and writing for non-profit organizations.*

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL391A. Credit will be granted for only one of the following: ENGL398A or ENGL391A. Formerly ENGL391A. An advanced composition course which emphasizes writing about the arts.

|      |   |                               |
|------|---|-------------------------------|
| 1001 | Caroline Wilkins<br>TuTh 8:00am - 9:15am  | Seats (Total: 19)<br>TWS 1107 |
| 1101 | Caroline Wilkins<br>TuTh 9:30am - 10:45am | Seats (Total: 19)<br>TLF 1101 |
| 1505 | Douglas Kern<br>TuTh 5:00pm - 6:15pm      | Seats (Total: 19)<br>HBK 0108 |
| 1601 | Rachel Feingold<br>M 6:30pm - 9:10pm      | Seats (Total: 19)<br>TWS 3132 |
| 1701 | Rachel Feingold<br>Tu 6:30pm - 9:10pm     | Seats (Total: 19)<br>TWS 3132 |

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## ENGL398B

### Topics in Professional Writing; Writing for Social Entrepreneurship

Credits: 3

Grading Method: Regular

General Education: FSPW

*Professional writing courses that focus on the audiences, conventions, and genres of particular disciplines, professions, or organizations. Examples include writing for the arts, writing case studies and investigative reports, writing about economics, and writing for non-profit organizations.*

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement.

|      |                                  |                               |
|------|----------------------------------|-------------------------------|
| 0601 | Eric Thiel<br>MW 2:00pm - 3:15pm | Seats (Total: 19)<br>TWS 0207 |
| 0701 | Eric Thiel<br>MW 3:30pm - 4:45pm | Seats (Total: 19)<br>TWS 0234 |
| 0801 | Eric Thiel<br>MW 5:00pm - 6:15pm | Seats (Total: 19)<br>TWS 1106 |

|      |   |                               |
|------|---|-------------------------------|
| 1601 | Mrim Boutla<br>M 6:30pm - 9:10pm        | Seats (Total: 19)<br>TWS 0201 |
| 1701 | Maurice Boissiere<br>Tu 6:30pm - 9:10pm | Seats (Total: 19)<br>TWS 0201 |
| 1901 | Roxanne Clements<br>Th 6:30pm - 9:10pm  | Seats (Total: 19)<br>TWS 0201 |

## ENGL398C

### Topics in Professional Writing; Writing Case Studies and Narratives

Credits: 3

Grading Method: Regular

General Education: FSPW

*Professional writing courses that focus on the audiences, conventions, and genres of particular disciplines, professions, or organizations. Examples include writing for the arts, writing case studies and investigative reports, writing about economics, and writing for non-profit organizations.*

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. An advanced composition course which emphasizes writing cases and investigative reports.

|      |   |   |
|------|---|---|
| 0701 | Joshua Buursma<br>MW 3:30pm - 4:45pm    | Seats (Total: 19)<br>SQH 1123   |
| 0801 | Joshua Buursma<br>MW 5:00pm - 6:15pm    | Seats (Total: 19)<br>TWS 1107   |
| 1507 | Joshua Buursma<br>MW 6:30pm - 7:45pm    | Seats (Total: 19)<br>TWS 1107   |
| SG91 | Joseph Wappel<br>TuTh 9:30am - 10:45am  | Seats (Total: 19)<br>BLD3 2203<br><i>Registration is restricted to CCJS-Shady Grove students.</i> |
| SG92 | Joseph Wappel<br>TuTh 11:00am - 12:15pm | Seats (Total: 19)<br>BLD3 2203<br><i>Registration is restricted to CCJS-Shady Grove students.</i> |

## ENGL398E

### Topics in Professional Writing; Writing about Economics

Credits: 3

Grading Method: Regular

General Education: FSPW



*Professional writing courses that focus on the audiences, conventions, and genres of particular disciplines, professions, or organizations. Examples include writing for the arts, writing case studies and investigative reports, writing about economics, and writing for non-profit organizations.*

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL394E. Credit will be granted for only one of the following : ENGL398E or ENGL394E. Formerly ENGL394E. A business writing class focusing on writing about economics.

|      |                    |                   |
|------|--------------------|-------------------|
| 0801 | Michael Winett     | Seats (Total: 19) |
|      | MW 5:00pm - 6:15pm | TWS 0224          |

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### **ENGL398L      Topics in Professional Writing; Scholarly Writing in the Humanities**

Credits: 3                      Grading Method: Regular                      General Education: FSPW

*Professional writing courses that focus on the audiences, conventions, and genres of particular disciplines, professions, or organizations. Examples include writing for the arts, writing case studies and investigative reports, writing about economics, and writing for non-profit organizations.*

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. An advanced composition class focusing on the norms and procedures of advanced academic writing.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0301 | Mark Forrester        | Seats (Total: 19) |
|      | MWF 11:00am - 11:50am | TWS 1105          |

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### **ENGL398N      Topics in Professional Writing; Writing for Non-Profit Organizations**

Credits: 3                      Grading Method: Regular                      General Education: FSPW

*Professional writing courses that focus on the audiences, conventions, and genres of particular disciplines, professions, or organizations. Examples include writing for the arts, writing case studies and investigative reports, writing about economics, and writing for non-profit organizations.*

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL394N. Credit will be granted for only one of the following ENGL398N or ENGL394N. Formerly ENGL394N. A business writing class focusinog on writing about nonprofits.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0301 | Rachel Feingold       | Seats (Total: 19) |
|      | MWF 11:00am - 11:50am | TWS 0223          |
| 0401 | Rachel Feingold       | Seats (Total: 19) |
|      | MWF 12:00pm - 12:50pm | TWS 0223          |

|      |   |                               |
|------|---|-------------------------------|
| 0601 | Elizabeth Fixsen<br>MW 2:00pm - 3:15pm  | Seats (Total: 19)<br>TWS 0232 |
| 1001 | David Todd<br>TuTh 8:00am - 9:15am      | Seats (Total: 19)<br>TWS 0224 |
| 1101 | David Todd<br>TuTh 9:30am - 10:45am     | Seats (Total: 19)<br>TWS 0224 |
| 1201 | David Todd<br>TuTh 11:00am - 12:15pm    | Seats (Total: 19)<br>TWS 0224 |
| 1301 | Rebecca Holden<br>TuTh 12:30pm - 1:45pm | Seats (Total: 19)<br>TWS 0232 |
| 1401 | Rebecca Holden<br>TuTh 2:00pm - 3:15pm  | Seats (Total: 19)<br>TWS 0232 |

## ENGL398R

### Topics in Professional Writing; Writing Non-Fictional Narratives

Credits: 3

Grading Method: Regular

General Education: FSPW

*Professional writing courses that focus on the audiences, conventions, and genres of particular disciplines, professions, or organizations. Examples include writing for the arts, writing case studies and investigative reports, writing about economics, and writing for non-profit organizations.*

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement.

|      |   |                               |
|------|---|-------------------------------|
| 1001 | Pamela Gerhardt<br>TuTh 8:00am - 9:15am   | Seats (Total: 19)<br>TWS 0232 |
| 1101 | Pamela Gerhardt<br>TuTh 9:30am - 10:45am  | Seats (Total: 19)<br>TWS 0232 |
| 1201 | Pamela Gerhardt<br>TuTh 11:00am - 12:15pm | Seats (Total: 19)<br>TWS 0232 |
| 1401 | Stewart Foehl<br>TuTh 2:00pm - 3:15pm     | Seats (Total: 19)<br>TWS 0234 |

|      |   |                               |
|------|---|-------------------------------|
| 1501 | Stewart Foehl<br>TuTh 3:30pm - 4:45pm   | Seats (Total: 19)<br>SQH 2113 |
| 1505 | Pamela Gerhardt<br>TuTh 5:00pm - 6:15pm | Seats (Total: 19)<br>TWS 0224 |

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## ENGL398V Topics in Professional Writing; Writing about the Environment

Credits: 3

Grading Method: Regular

General Education: FSPW

*Professional writing courses that focus on the audiences, conventions, and genres of particular disciplines, professions, or organizations. Examples include writing for the arts, writing case studies and investigative reports, writing about economics, and writing for non-profit organizations.*

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL393E. Credit will be granted for only one of the following ENGL398V or ENGL393E. Formerly ENGL393E.

|      |                                     |                               |
|------|-------------------------------------|-------------------------------|
| 1201 | Ann Mason<br>TuTh 11:00am - 12:15pm | Seats (Total: 19)<br>WDS 1127 |
| 1301 | Ann Mason<br>TuTh 12:30pm - 1:45pm  | Seats (Total: 19)<br>SQH 1103 |
| 1501 | Ann Mason<br>TuTh 3:30pm - 4:45pm   | Seats (Total: 19)<br>TWS 0234 |
| 1701 | Ann Mason<br>Tu 6:30pm - 9:10pm     | Seats (Total: 19)<br>TWS 1105 |

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## ENGL402 Chaucer

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Two English courses in literature; or permission of ARHU-English department.*

*Works read in Middle English. Readings may include Canterbury Tales, Troilus and Criseyde, dream visions, lyrics.*

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Thomas Moser<br>TuTh 11:00am - 12:15pm | Seats (Total: 24)<br>TWS 0201 |
|------|--|-------------------------------|

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**ENGL403****Shakespeare: The Early Works**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Two English courses in literature; or permission of ARHU-English department.*

*Close study of selected works from the first half of Shakespeare's career. Generic issues of early histories, comedies, tragedies. Language, theme, dramatic technique, sources, and early modern English social-historical context.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Shaun Stiemsma     | Seats (Total: 24) |
|      | MW 2:00pm - 3:15pm | TWS 0201          |

**ENGL404****Shakespeare: The Later Works**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Two English courses in literature; or permission of ARHU-English department.*

*Close study of selected plays from the second half of Shakespeare's career. Generic issues of later tragedies, later comedies, romances. Language, theme, dramatic technique, sources, and early modern English social-historical context.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Karen Nelson         | Seats (Total: 24) |
|      | TuTh 5:00pm - 6:15pm | TWS 0214          |

**ENGL409A****Study Abroad Special Topics IV; Solitude in Life and Letters in Enlightenment Britain**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

**ENGL409B****Study Abroad Special Topics IV; Shakespeare: The Play and the Book**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

**ENGL409C****Study Abroad Special Topics IV; Shakespeare's Italian Plays**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL409D      Study Abroad Special Topics IV; Time, Narrative and Culture (Sem A)**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL409E      Study Abroad Special Topics IV; The Revolution Controversy: Politics and Genre**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL409F      Study Abroad Special Topics IV; Grand Tours: Nineteenth Century Adventure Stories for Young Readers and their Twentieth Century Afterlives**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL409G      Study Abroad Special Topics IV; Thomas Hardy and the Victorian Modern**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL409H      Study Abroad Special Topics IV; The Caribbean Novel**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL409I      Study Abroad Special Topics IV; The New York Century: Urban Literary Culture 1900-1999**

Credits: 3-6                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL409L      Study Abroad Special Topics IV; Literature of London**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL409P      Study Abroad Special Topics IV; Phonies, Fakes, Liars and Conmen: Readings in Fact and Fiction**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL414      Milton**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Two English courses in literature; or permission of ARHU-English department.*

*Poetry and major prose in their social, political, and literary-historical contexts. Special attention to Paradise Lost. Other works may include Samson Agonistes and shorter poems.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0201 | Kim Coles          | Seats (Total: 24) |
|      | MW 3:30pm - 4:45pm | TWS 0221          |

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**ENGL416      Literature of the Eighteenth Century, 1700-1750**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Two English courses in literature; or permission of ARHU-English department.*

*British literary traditions, including the poetry of Pope, the prose of Swift, the correspondence of Montagu, the drama of Gay, and early novels by Defoe, Richardson, and Fielding.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Tita Chico           | Seats (Total: 24) |
|      | TuTh 2:00pm - 3:15pm | TWS 1106          |

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**ENGL419W Major British Writers after 1800; James Joyce's Ulysses**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Two writers studied intensively each semester.*

**Contact department for information to register for this course.**

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**ENGL419X Major British Writers after 1800; Virginia Woolf (Sem A)**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Two writers studied intensively each semester.*

**Contact department for information to register for this course.**

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**ENGL419Y Major British Writers after 1800; Reading William Blake**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Two writers studied intensively each semester.*

**Contact department for information to register for this course.**

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**ENGL419Z Major British Writers after 1800; DH Lawrence: Controversy and Legacy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Two writers studied intensively each semester.*

**Contact department for information to register for this course.**

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**ENGL420 English Romantic Literature**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Two English courses in literature; or permission of ARHU-English department.*

*British poetry, drama, fiction, and criticism c.1790 to c.1830, a period of dramatic social change and revolution in literature, philosophy, the arts, industry, and politics. Authors include Austen, Wordsworth, Coleridge, Keats, Byron, Percy, and Mary Shelley.*

**Contact department for information to register for this course.**

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**ENGL422 English Victorian Literature**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Two English courses in literature; or permission of ARHU-English department.*

*A survey of English literature of the Victorian period. Writers may include Arnold, Browning, Tennyson, Dickens, George Eliot, Carlyle, Ruskin, Newman, and Wilde.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Jason Rudy         | Seats (Total: 24) |
|      | MW 2:00pm - 3:15pm | TWS 1106          |

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**ENGL422A      English Victorian Literature**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Two English courses in literature; or permission of ARHU-English department.*

*A survey of English literature of the Victorian period. Writers may include Arnold, Browning, Tennyson, Dickens, George Eliot, Carlyle, Ruskin, Newman, and Wilde.*

**Contact department for information to register for this course.**

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**ENGL425      Modern British Literature**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Two English courses in literature; or permission of ARHU-English department.*

*Major Modernist writers in English prose and poetry since 1900. Such writers as Eliot, Larkin, Forster, Burgess, Durrell, Henry Green, Golding, Auden, Malcolm Lowry, Joyce, and Yeats.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Brian Richardson     | Seats (Total: 24) |
|      | TuTh 5:00pm - 6:15pm | TWS 0236          |

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**ENGL428F      Seminar in Language and Literature; Race, Class, and Narrative**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics will vary each semester. The course will provide a seminar experience in material or methodologies not otherwise available to the major.*

Restriction: Junior standing. For ENGL majors only. Repeatable to 9 credits if content differs. Course intended primarily for students in English Honors Program. English majors with strong academic records may also apply. Permission from the Director of Honors required.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Mary Washington       | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | TWS 0236          |



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**ENGL429 Independent Research in English**

(Perm req)

Credits: 1-6      Grading Method: Regular

*An advanced independent research project for qualified students, supervised by an English faculty member, on a topic not ordinarily covered in available courses.*

Prerequisite: ENGL301 and two English courses, excluding Fundamental Studies requirement.

**Contact department for information to register for this course.**

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**ENGL431 American Literature: 1810 to 1865, the American Renaissance**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Two English courses in literature; or permission of ARHU-English department.*

*Nationalism, Sentimentalism, Transcendentalism. Writers such as Douglass, Stowe, Melville.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Edlie Wong             | Seats (Total: 24) |
|      | TuTh 11:00am - 12:15pm | TWS 0221          |

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**ENGL433 American Literature: 1914 to the Present, the Modern Period**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Two English courses in literature; or permission of ARHU-English department.*

*Modernism, Postmodernism. Writers such as Stevens, Stein, Ellison.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Peter Mallios      | Seats (Total: 24) |
|      | MW 3:30pm - 4:45pm | TWS 1106          |

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**ENGL437 Contemporary American Literature**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Two English courses in literature; or permission of ARHU-English department.*

*Prose, poetry, drama of living American writers. Current cultural and social issues.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Lee Konstantinou     | Seats (Total: 24) |
|      | TuTh 5:00pm - 6:15pm | TWS 1106          |

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**ENGL439F Major American Writers after 1865; Faulkner and His Literary Heirs**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Two writers studied intensively each semester.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | David Wyatt           | Seats (Total: 24) |
|      | TuTh 12:30pm - 1:45pm | TWS 0214          |

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**ENGL439G Major American Writers after 1865; American Nobel Prize Winners**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Two writers studied intensively each semester.*

Also offered as ENGL439G. Credit granted for ENGL439G or AMST429G.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Martha Nell Smith    | Seats (Total: 24) |
|      | TuTh 2:00pm - 3:15pm | TWS 0236          |

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**ENGL439M Major American Writers after 1865; Major American Writers After 1865**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Two writers studied intensively each semester.*

**Contact department for information to register for this course.**

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**ENGL444 Feminist Critical Theory**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: WMST200, WMST250, or ENGL250. Also offered as: WMST444. Credit only granted for: ENGL444 or WMST444.*

*Issues in contemporary feminist thought that have particular relevance to textual studies, such as theories of language, literature, culture, interpretation, and identity.*

**Contact department for information to register for this course.**

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**ENGL446 Post-Modern British and American Poetry**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Two English courses in literature; or permission of ARHU-English department.*

*British and American poets from the 1930s to the present. Such poets as Auden, Williams, Plath, Brooks, Lowell, Wolcott, Ted Hughes, Bishop, Larkin, Jarrell, and Berryman.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Elizabeth Arnold     | Seats (Total: 24) |
|      | TuTh 2:00pm - 3:15pm | TWS 1107          |

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**ENGL451      Renaissance Drama II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Two English courses in literature; or permission of ARHU-English department.*

*Drama in early decades of the seventeenth century. Playwrights include Jonson, Middleton, Marston, Webster, Beaumont and Fletcher. Tragedy, city comedy, tragicomedy, satire, masque. Pre-Civil War theatrical, political, and religious contexts.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Michael Olmert     | Seats (Total: 24) |
|      | MW 2:00pm - 3:15pm | TWS 0221          |

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**ENGL457      The Modern Novel**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Two English courses in literature; or permission of ARHU-English department.*

*Modernism in the novel of the twentieth century. Such writers as Joyce, Lawrence, Murdoch, James, Forster, Faulkner, Hemingway, Fitzgerald, Ellison, Welty, Nabokov and Malamud.*

**Contact department for information to register for this course.**

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**ENGL458A      Literature by Women after 1800; Gender, Race and Empire in Women's Writing 1780-1900**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected writings by women after 1800.*

**Contact department for information to register for this course.**

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**ENGL465      Theories of Sexuality and Literature**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Also offered as: LGBT465. Credit only granted for: ENGL465 or LGBT465.*

*An in-depth study of the ways in which sexuality and sexual difference create or confound the conditions of meaning in the production of literary texts. Attention to psychoanalysis, history of sexuality, feminist theory, and other accounts of sexual identity.*

**Contact department for information to register for this course.**

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**ENGL468A      Selected Topics in Film Studies; The Scene of Writing**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Advanced studies in various periods and genres of film.*

**Contact department for information to register for this course.**

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**ENGL472      African-American Literature: 1945 to Present**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Two English courses in literature; or permission of ARHU-English department.*

*Transformation of African-American literatures into modern and postmodern forms. Influenced by World War II and the Civil Rights and Black Power movements, this literature is characterized by conscious attempts to reconnect literary and folk forms, the emergence of women writers, and highly experimental fiction.*

Also offered as ENGL472. Credit granted for ENGL472 or AASP478K.

**Contact department for information to register for this course.**

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**ENGL475      Postmodern Literature**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Two English courses in literature; or permission of ARHU-English department.*

*The origins and ongoing development of postmodern literature. Aspects of the "postmodern condition," such as the collapse of identity, the erasure of cultural and aesthetic boundaries, and the dissolution of life into textuality. The novel and other genres and media.*

**Contact department for information to register for this course.**

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**ENGL478E      Selected Topics in English and American Literature before 1800; Story of Troy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Two English courses in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Linda Coleman        | Seats (Total: 24) |
|      | TuTh 3:30pm - 4:45pm | TWS 0236          |

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**ENGL479W      Selected Topics in English and American Literature after 1800; Experimental Fiction and Narrative Theory**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

Prerequisite: Two English courses in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Brian Richardson     | Seats (Total: 24) |
|      | TuTh 3:30pm - 4:45pm | TWS 1107          |

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**ENGL487      Foundations of Rhetoric**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: ENGL487 or COMM401.*

*Principles and approaches to the theory, criticism, and historical understanding of rhetorical discourse.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Sara Wilder        | Seats (Total: 20) |
|      | MW 2:00pm - 3:15pm | TWS 1107          |

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**ENGL488P      Topics in Advanced Writing; Digital Rhetoric: The Power of Sound**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Different genres of technical and professional writing including proposal writing, computer documentation, technical report writing, instruction manuals, etc. Students will analyze models of a genre, produce their own versions, test, edit and revise them.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Sara Wilder        | Seats (Total: 18) |
|      | MW 3:30pm - 4:45pm | TWS 0224          |

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**ENGL492      Web Authoring**

Credits: 3                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: Students must have satisfied Fundamental Studies Academic Writing requirement. Credit only granted for: ENGL488A or ENGL492. Formerly: ENGL488A.*

*Workshop-based approach to web authoring from a rhetorical perspective, attending to issues of audience, purpose, medium, and context in design and development of web texts. How designers create meaning in web texts by structuring information, addressing messages, and composing arguments as a process of practical problem solving.*

Students are encouraged to bring laptops to class meetings.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Melanie Kill         | Seats (Total: 20) |
|      | TuTh 8:00am - 9:15am | TWS 3252          |

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**ENGL493      Advanced Writing Theory and Practice**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Recommended: Satisfactory completion of professional writing requirement. Restriction: Must have earned a minimum of 60 credits.*

*Traditional and contemporary approaches to rhetoric and writing theory for advanced writing students who wish to develop their abilities to analyze and produce written texts in professional, public, digital, and/or advanced academic contexts.*

Students are encouraged to bring laptops to class meetings.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Melanie Kill           | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | TWS 3252          |

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**ENGL494      Editing and Document Design**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENGL393 or ENGL391; or students who have taken courses with comparable content may contact the department.*

*Principles of general editing for clarity, precision and correctness. Applications of the conventions of grammar, spelling, punctuation and usage, and organization for logic and accuracy. Working knowledge of the professional vocabulary of editing applied throughout the course.*

Must have completed Fundamental Studies Professional Writing requirement.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Susan Green          | Seats (Total: 20) |
|      | TuTh 3:30pm - 4:45pm | TWS 0207          |

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**ENGL495      Independent Study in Honors**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENGL373 and ENGL370. Restriction: Must be in English Language and Literature program; and candidacy for honors in English.*

*Completion and presentation of the senior honors project.*

**Contact department for information to register for this course.**

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### **ENGL498**

#### **Advanced Fiction Workshop**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*An advanced class in the making of fiction. Intensive discussion of students' own fiction. Readings include both fiction and essays about fiction by practicing writers. Writing short critical papers, responding to works of fiction, and to colleagues' fiction, in-class writing exercises, intensive reading, and thinking about literature, in equal parts, and attendance at readings.*

Prerequisite: ENGL352 or ENGL396; or permission of department.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Howard Norman      | Seats (Total: 15) |
|      | W 3:30pm - 6:00pm  | TWS 3248          |
| 0201 | Maud Casey         | Seats (Total: 15) |
|      | Th 3:30pm - 6:00pm | TWS 3252          |

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### **ENGL499**

#### **Advanced Poetry Workshop**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*An advanced class in the making of poetry. Intensive discussion of students' own poems. Readings include both poetry and essays about poetry by practicing poets. Writing short critical prose pieces, responding critically to colleagues' poems, in-class and outside writing exercises, and attendance at poetry readings.*

Prerequisite: ENGL353; or permission of ARHU-English department. Repeatable to 9 credits if content differs. Formerly: ENGL497.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Elizabeth Arnold   | Seats (Total: 15) |
|      | Th 3:30pm - 6:00pm | TWS 3250          |

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### **ENGL601**

#### **Literary Research and Critical Contexts**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Tita Chico         | Seats (Total: 14) |
|      | Th 3:30pm - 6:00pm | TWS 3248          |

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**ENGL602      Critical Theory and Literary Criticism**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*An introduction to critical theory and literary criticism, with an overview of major movements (including formalism, structuralism and poststructuralism, Marxism, psychoanalysis, and feminism). Designed to help graduate students assess the various ways of approaching and writing about literature.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Sangeeta Ray       | Seats (Total: 14) |
|      | W 12:00pm - 2:30pm | TWS 3134          |

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**ENGL611      Approaches to College Composition**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Permission of ARHU-English department. Additional information: Required for graduate assistants (optional to other graduate students).*

*A seminar emphasizing rhetorical and linguistic foundations for the handling of a course in freshman composition.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Scott Wible        | Seats (Total: 14) |
|      | M 12:00pm - 2:30pm | TWS 3136          |

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**ENGL621      Readings in Renaissance English Literature**

Credits: 3      Grading Method: Regular,  
Audit

For ENGL majors only.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Scott Trudell     | Seats (Total: 14) |
|      | M 6:30pm - 9:00pm | TWS 3136          |

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**ENGL626      Readings in American Literature before 1865**

Credits: 3      Grading Method: Regular,  
Audit

For ENGL majors only.



|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Robert Levine      | Seats (Total: 14) |
|      | Tu 6:30pm - 9:00pm | TWS 3134          |

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**ENGL628D Readings in African American Literature; Africana Theory and Literature**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

Restriction: Permission of English Department. Repeatable to 9 credits if content differs. Also offered as CMLT679J Credit granted for ENGL 628D or CMLT679J

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Zita Nunes         | Seats (Total: 14) |
|      | Tu 3:30pm - 6:00pm | TWS 3136          |

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**ENGL658A Readings in Multi-Ethnic Literatures of the Americas; Contemporary Latina/o Literature**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Highlights the cultural diversity of American literatures from various periods, including Latino/a, Native American, Asian American, and African American literatures within and beyond the United States.*

Restriction: Permission of English Department. Repeatable to 9 credits if content differs. Also offered as CMLT679F. Credit granted for ENGL 658A or CMLT679F.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Randy Ontiveros   | Seats (Total: 14) |
|      | M 3:30pm - 6:00pm | TWS 3250          |

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**ENGL679 Professional and Career Mentoring for Master's Students**

Credits: 1-3      Grading Method: Sat-Fail

*Augments advising currently provided by the English Department Graduate Studies Office. Individual professional and career mentoring for MA and MFA students from a faculty member.*

|      |   |                  |
|------|---|------------------|
| 0107 | Gabrielle Fuentes                             | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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**ENGL688 Poetry Workshop**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Poetry workshop.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0201 | Michael Collier   | Seats (Total: 12) |
|      | W 3:30pm - 6:00pm | TWS 3134          |

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**ENGL689 Fiction Workshop**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Fiction workshop.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Gabrielle Fuentes | Seats (Total: 12) |
|      | W 3:30pm - 6:00pm | TWS 3250          |

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**ENGL699 Independent Study**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**ENGL708A Seminar in Rhetoric; Feminist Memory Studies**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Topics in rhetoric: history of rhetorical theory, modern rhetorical theory, rhetorical interpretation, composition theory, rhetoric of social groups.*

Prerequisite: Permission of department.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Jessica Enoch     | Seats (Total: 11) |
|      | W 3:30pm - 6:00pm | TWS 3136          |

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**ENGL729F Seminar in Eighteenth-Century Literature; Theatrical Migrations**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

Prerequisite: Permission of department.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Laura Rosenthal   | Seats (Total: 11) |
|      | M 3:30pm - 6:00pm | TWS 3134          |

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**ENGL758A Literary Criticism and Theory; Writing Off the Self, Texts at Play**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

Prerequisite: Permission of department.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Martha Nell Smith  | Seats (Total: 11) |
|      | Tu 3:30pm - 6:00pm | TWS 3134          |

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**ENGL758D**

**Literary Criticism and Theory; The Speculative Turn**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

Prerequisite: Permission of department.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Matthew Kirschenbaum | Seats (Total: 11) |
|      | Tu 6:30pm - 9:00pm   | TWS 3252          |

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**ENGL788F**

**Studies in Poetic Form; Ecopoetics: A Genealogy**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

Prerequisite: Permission of department.

|      |                                   |                   |
|------|-----------------------------------|-------------------|
| 0101 | Joshua Weiner, Gerard Passannante | Seats (Total: 11) |
|      | Th 3:30pm - 6:00pm                | TWS 3134          |

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**ENGL798B**

**Critical Theory Colloquium**

(Perm req)

Credits: 1

Grading Method: Regular,  
Audit

*An intensive advanced exploration of current problems and issues in critical theory.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Christina Walter                              | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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**ENGL798D**

**Critical Theory Colloquium; Digital Studies**

(Perm req)

Credits: 1

Grading Method: Regular,  
Audit

*An intensive advanced exploration of current problems and issues in critical theory.*

Class meets in TWS 3136 on the following dates: 9/8, 10/6, 11/3, 12/8.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Matthew Kirschenbaum | Seats (Total: 20) |
|      | F 3:00pm - 5:00pm    | Location: TBA     |

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**ENGL799 Master's Thesis Research**

(Perm req)

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**ENGL809 Academic Publishing Workshop**

(Perm req)

Credits: 1-2      Grading Method: Sat-Fail

*A workshop for the preparation of articles of other critical writing for publication in academic journals or other professional venues.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Kellie Robertson                              | Seats (Total: 12) |
|      | Contact instructor or department for details. |                   |

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**ENGL878 Pedagogical Mentoring for Doctoral Students**

(Perm req)

Credits: 1-3      Grading Method: Sat-Fail

*Pedagogical mentoring by roster faculty members for graduate students teaching 200-level literature courses.*

**Contact department for information to register for this course.**

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**ENGL879 Professional Mentoring for Doctoral Students**

(Perm req)

Credits: 1-3      Grading Method: Sat-Fail

*Augments advising currently provided by the English Department Graduate Studies Office. Individual professional and career mentoring for PhD students from a faculty member.*

**Contact department for information to register for this course.**

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**ENGL898 Pre-Candidacy Research**

(Perm req)

Credits: 1-8      Grading Method: Regular

*Pedagogical mentoring by roster faculty members for graduate students teaching 200-level literature courses.*

**Contact department for information to register for this course.**

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**ENGL899 Doctoral Dissertation Research**

(Perm req)

Credits: 6

Grading Method: Regular

Contact department for information to register for this course.

## ENMA Engineering, Materials

Fall 2017

### ENMA150 Materials of Civilization

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: PS

General Education: DSNS,  
SCIS

*The discovery of new materials has shaped history and built civilizations. The utilization, properties and production techniques of materials from the Bronze Age up through modern times and into the future will be traced. These materials are explained by considering their atomic structure, the binding forces between atoms and their arrangement, and how controlling the structure controls the materials properties.*

*A Marquee Science and Technology Course designed for Non-Science Majors:  
<http://www.marqueecourses.umd.edu/> Click here for more Marquee course information.*

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Robert Briber        | Seats (Total: 40) |            |
|      | TuTh 3:30pm - 4:45pm | CHE 2108          |            |
|      | W 2:00pm - 2:50pm    | CHE 2136          | Discussion |
| 0102 | Robert Briber        | Seats (Total: 40) |            |
|      | TuTh 3:30pm - 4:45pm | CHE 2108          |            |
|      | Th 11:00am - 11:50am | KEB 2111          | Discussion |

### ENMA180 Materials Science and Engineering: The Field and the Future

Credits: 1

Grading Method: Regular

*Restriction: Must be in a major in ENGR-A. James Clark School of Engineering.*

*Overview of the profession and the components of the Materials Science and Engineering program. Students will become familiar with the departmental faculty, areas of specialization within MSE, professional society student chapter, research opportunities and other resources available to students.*

|      |                   |                   |  |
|------|-------------------|-------------------|--|
| 0101 | Isabel Lloyd      | Seats (Total: 30) |  |
|      | M 4:00pm - 4:50pm | PHY 4221          |  |

### ENMA300 Introduction to Materials Engineering

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENES100; and permission of ENGR-Materials Science & Engineering department.*  
*Corequisite: MATH241. Recommended: PHYS261 and PHYS260. Also offered as: ENME382. Credit only granted for: ENMA300 or ENME382.*

*Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.*

|      |   |                                |
|------|---|--------------------------------|
| 0101 | Liyang Dai-Hattrick<br>TuTh 11:00am - 12:15pm | Seats (Total: 120)<br>CHE 2110 |
| 0201 | Mohamad Al-Sheikhly<br>TuTh 8:00am - 9:15am   | Seats (Total: 100)<br>CHE 2110 |
| 0301 | Patrick McCluskey<br>MWF 10:00am - 10:50am    | Seats (Total: 120)<br>CHE 2110 |

## **ENMA312 Experimental Methods in Materials Science**

Credits: 3      Grading Method: Regular,  
 Pass-Fail, Audit

*Prerequisite: ENMA300. Corequisite: ENMA460. Restriction: Junior standing or higher.*

*Introduction to experimental methods in materials characterization; synthesis of colloidal nanoparticles; X-ray diffraction and light scattering; optical microscopy; thermal conductivity and expansion; electrical measurements; heat capacity; computational materials design.*

|      |   |  |
|------|---|--|
| 0101 | Audaldo Ponce<br>Tu 2:00pm - 3:15pm<br>M 9:00am - 11:50am | Seats (Total: 10)<br>KEB 1135<br>KEB 1135      Lab |
| 0102 | Audaldo Ponce<br>Tu 2:00pm - 3:15pm<br>W 9:00am - 11:50am | Seats (Total: 10)<br>EGR 3106<br>KEB 1135      Lab |

## **ENMA362 Mechanical Properties**

(Perm req)      Credits: 3      Grading Method: Regular,  
 Pass-Fail, Audit

*Prerequisite: ENMA300. Restriction: Junior standing or higher; and permission of ENGR-Materials Science & Engineering department.*

*Overview of Mechanical Behavior, Elastic Behavior, Dislocations, Plastic Deformation, Strengthening of Crystalline Materials, Composite Materials, High Temperature Deformation of Crystalline Materials, Permanent Deformation of Noncrystalline Materials, Tensile Fracture at Low Temperatures, Engineering Aspects of Fracture, High Temperature Fracture, Fatigue, and Experimental determination of Mechanical Properties including Hardness of Metals and Strength of Metals, Polymers, Ceramics and Composites.*

For ENMA majors only.

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | Sreeramamurthy Ankem | Seats (Total: 22) |     |
|      | MW 12:00pm - 1:15pm  | ANS 0412          |     |
|      | Tu 9:00am - 11:00am  | KEB 1135          | Lab |
| 0102 | Sreeramamurthy Ankem | Seats (Total: 22) |     |
|      | MW 12:00pm - 1:15pm  | ANS 0412          |     |
|      | Th 9:00am - 11:00am  | KEB 1135          | Lab |

#### **ENMA400**

(Perm req)

#### **Introduction to Atomistic Modeling in Materials**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENMA300, MATH206, and ENMA460. Recommended: Basic knowledge in quantum mechanics (preferred but not required); basic knowledge in statistical mechanics (preferred but not required). Also offered as: ENMA600. Credit only granted for: ENMA489A, ENMA400, ENMA698A, or ENMA600. Formerly: ENMA489A.*

*This is an introductory course designed to study atomistic modeling and simulation techniques used in materials research. This course covers the theories, methods, and applications of atomistic-scale modeling techniques in simulating, understanding, and predicting the properties of materials. Specific topics include: molecular statics using empirical force fields; quantum mechanical methods including density functional theory; molecular dynamics simulations; and Monte Carlo and kinetic Monte Carlo modeling.*

|      |                       |                   |  |
|------|-----------------------|-------------------|--|
| 0101 | Yifei Mo              | Seats (Total: 15) |  |
|      | TuTh 9:30am - 10:45am | CHE 2136          |  |

#### **ENMA422**

(Perm req)

#### **Radiation Effects of Materials**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENMA300; and permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA422 or ENMA489E. Formerly: ENMA489E.*

*Ionizing radiation, radiation dosimetry and sensors, radiation processing, radiation effects on: polymers, metals, semiconductors, liquids, and gases. Radiation in advanced manufacturing, radiation-physical technology.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Timothy Koeth      | Seats (Total: 30) |
|      | MW 2:00pm - 3:15pm | ATL 2416          |

## **ENMA425 Introduction to Biomaterials**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Recommended: ENMA300. Restriction: Permission of ENGR-Materials Science & Engineering department. Also offered as: BIOE453. Credit only granted for: BIOE453, ENMA489W, or ENMA425. Formerly: ENMA489W.*

*Examination of materials used in humans and other biological systems in terms of the relationships between structure, fundamental properties and functional behavior. Replacement materials such as implants, assistive devices such as insulin pumps and pacemakers, drug delivery systems, biosensors, engineered materials such as artificial skin and bone growth scaffolds, and biocompatibility will be covered.*

|      |                       |                          |
|------|-----------------------|--------------------------|
| 0101 | Christopher Jewell    | Seats (Total: 36)        |
|      | MWF 11:00am - 11:50am | KEB 1200                 |
|      | F 12:00pm - 12:50pm   | EGR 3106      Discussion |
| 0102 | Christopher Jewell    | Seats (Total: 30)        |
|      | MWF 11:00am - 11:50am | KEB 1200                 |
|      | F 10:00am - 10:50am   | EGR 2116      Discussion |

## **ENMA441 Characterization of Materials**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENMA300. Restriction: Permission of ENGR-Materials Science & Engineering department; and senior standing. Credit only granted for: ENMA489T or ENMA441. Formerly: ENMA489T.*

*Techniques to characterize the properties of materials whose characteristic dimensions range from nanometers to macroscopic. These include conventional crystalline and noncrystalline materials, with a special attention to materials of current technological interest. The course will include recent results from the scientific literature.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Raymond Phaneuf       | Seats (Total: 35) |
|      | TuTh 12:30pm - 1:45pm | CHE 2136          |



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**ENMA443      Phontonic Materials, Devices and Reliability**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of ENGR-Materials Science & Engineering department; and junior standing or higher. Credit only granted for: ENMA443 or ENMA489Z. Formerly: ENMA489Z.*

*The course focuses on the understanding of the basic optical processes in semiconductors, dielectrics and organic materials. The application of such materials in systems composed of waveguides, light emitting diodes and lasers, as well as modulators is developed.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Aristos Christou     | Seats (Total: 22) |
|      | TuTh 3:30pm - 4:45pm | CHE 2136          |

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**ENMA460      Physics of Solid Materials**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS271, PHYS270, and MATH241. Restriction: Junior standing or higher; and must be in Engineering: Materials Science program. Also offered as: PHYS431. Credit only granted for: ENMA460 or PHYS431.*

*Classes of materials; introduction to basic ideal and real materials' behavior including mechanical, electrical, thermal, magnetic and optical responses of materials; importance of microstructure in behavior. One application of each property will be discussed in detail.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Ichiro Takeuchi    | Seats (Total: 50) |
|      | MW 5:00pm - 6:15pm | CHE 2108          |

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**ENMA466      Advanced Materials Fabrication Laboratory**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENMA465; and permission of ENGR-Materials Science & Engineering department.*

*This course allows students an opportunity to study advanced materials systems in depth through a combination of lectures and hands-on laboratory experiments. Students will be trained in materials processing and characterization techniques. Each student will fabricate materials and devices in our state-of-the-art nanofabrication clean room facility (Fablab), as well as evaluate them using a variety of characterization techniques.*

|      |                     |                  |
|------|---------------------|------------------|
| 0101 | Gary Rubloff        | Seats (Total: 4) |
|      | W 10:00am - 11:30am | EGR 3114         |
|      | Tu 12:30pm - 3:30pm | KEB 2300 Lab     |
| 0102 | Gary Rubloff        | Seats (Total: 4) |
|      | W 10:00am - 11:30am | EGR 3114         |
|      | M 9:00am - 12:00pm  | KEB 2300 Lab     |
| 0103 | Gary Rubloff        | Seats (Total: 4) |
|      | W 10:00am - 11:30am | EGR 3114         |
|      | F 12:30pm - 3:30pm  | KEB 2300 Lab     |

### ENMA471 Kinetics, Diffusion and Phase Transformations

(Perm req)

Credits: 3 Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have completed or be concurrently enrolled in ENMA461. Restriction: Junior standing or higher; or permission of ENGR-Materials Science & Engineering department.*

*Fundamentals of diffusion, the kinetics of reactions including nucleation and growth and phase transformations in materials.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Manfred Wuttig         | Seats (Total: 49) |
|      | TuTh 11:00am - 12:15pm | CHE 2118          |

### ENMA473 Engineering Using High Strength Metals and Alloys

(Perm req)

Credits: 3 Grading Method: Regular,  
Audit

*Prerequisite: ENMA300; and permission of ENGR-Materials Science & Engineering department.*

*This is a class focused on the materials engineering challenges of applying high strength metals and alloys to solutions. The extraordinary properties of these alloys derive from (1) highly metastable microstructures, (2) high strengths and melting points of the base metals, (3) complicated processing and fabrication procedures, and (4) their resulting complex behavior in extreme environments. This course will give you the knowledge base you need to select, apply and troubleshoot the performance of high strength metals and alloys in a variety of applications.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Timothy Foecke       | Seats (Total: 26) |
|      | TuTh 5:00pm - 6:15pm | CHE 2136          |

### ENMA487 Capstone Preparation

Credits: 1                      Grading Method: Regular

*Restriction: Must be in Engineering: Materials Science program; and senior standing; and permission of ENGR-Materials Science & Engineering department.*

*In preparation for the senior level design course, students will do background research and develop white papers from which teams will form around short listed design projects. The projects should focus on a society, industry, military or technological based problem in Materials Science and Engineering leading to a design and strategy to address the problem in the following course, ENMA 490. The course will include written and oral presentations of the white papers and team proposals.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Raymond Phaneuf                               | Seats (Total: 40) |
|      | Contact instructor or department for details. |                   |

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### **ENMA499                      Senior Laboratory Project**

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Students work with a faculty member on an individual laboratory project in one or more of the areas of engineering materials. Students will design and carry out experiments, interpret data and prepare a comprehensive laboratory report.*

|      |   |                  |
|------|---|------------------|
| 0101 | John Cumings                                  | Seats (Total: 6) |
|      | Contact instructor or department for details. |                  |

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### **ENMA600                      Advanced Atomistic Modeling in Materials**

Credits: 3                      Grading Method: Regular

*Prerequisite: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA600, ENMA 698A, ENMA400 or ENMA489A. Formerly: ENMA698A.*

*This is an advanced course designed to study atomistic modeling and simulation techniques used in materials research. This course covers the theories, methods, and applications of atomistic-scale modeling techniques in simulating, understanding, and predicting the properties of materials. Specific topics include: molecular statics using empirical force fields; quantum mechanical methods including density functional theory; molecular dynamics simulations; and Monte Carlo and kinetic Monte Carlo modeling.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Yifei Mo              | Seats (Total: 11) |
|      | TuTh 9:30am - 10:45am | CHE 2136          |

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### **ENMA626                      Fundamentals of Failure Mechanisms**

(Perm req)                      Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Permission of ENGR-Materials Science & Engineering department. Also offered as: ENRE600. Credit only granted for: ENMA626, ENMA698M, ENMA698R, or ENRE600. Formerly: ENMA698M and ENMA698R.*

*Advanced failure mechanisms in reliability engineering will be taught from a basic materials and defects point of view. The methods of predicting the physics of failure of devices, materials, components and systems are reviewed. The main emphasis will be given to basic degradation mechanisms through understanding the physics, chemistry, and mechanics of such mechanisms. Mechanical failures are introduced through understanding fatigue, creep and yielding in materials, devices and components. The principles of cumulative damage and mechanical yielding theory are taught. The concepts of reliability growth, accelerated life testing, environmental testing are introduced. Physical, chemical and thermal related failures are introduced through a basic understanding of degradation mechanisms such as diffusion, electromigration, defects and defect migration. The failure mechanisms in basic material types will be taught. Failure mechanisms observed in real electronic devices and electronic packaging will also be presented. Problems related to manufacturing, and microelectronics will be analyzed. Mechanical failures are emphasized from the point of view of complex fatigue theory.*

|      |                   |                  |
|------|-------------------|------------------|
| 0101 | Aristos Christou  | Seats (Total: 5) |
|      | M 1:00pm - 3:40pm | JMP 2217         |

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### **ENMA633      Advanced Characterization of Soft Matter Materials**

Credits: 3                      Grading Method: Regular

*Prerequisite: Permission of ENGR-Materials Science & Engineering department.*

*This course is focused on both the theories and experimental works of studying structure and dynamics of soft matter materials using scattering techniques (light, x-ray and neutron scattering). These scattering techniques can probe the structure from a few Angstrom to micrometer and the dynamics from picosecond to second, are thus widely used to reveal the structure-performance relationship of different materials. The course discusses the physics principles of these techniques and explains the details of general theories and commonly used models in characterizing soft matter materials such as polymer, protein, colloidal, thin film, and gel systems.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Yun Liu            | Seats (Total: 25) |
|      | WF 5:00pm - 6:15pm | CHE 2118          |

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### **ENMA643      Advanced Photonic Materials**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA698Z, ENRE648Z, or ENMA643. Formerly: ENMA698Z.*

*The understanding of the basic optical processes in photonic devices and systems composed of waveguides, light emitting diodes and lasers, as well as modulators is developed. Lectures on basic degradation mechanisms of such systems will be presented. The area of organic based LED reliability will be covered from the point of view of the stability of the organic-inorganic interface.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Aristos Christou     | Seats (Total: 10) |
|      | TuTh 3:30pm - 4:45pm | CHE 2136          |

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### **ENMA650 Nanometer Structure of Materials**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ENMA460; or students who have taken courses with comparable content may contact the department. And permission of ENGR-Materials Science & Engineering department.*

*The basic concepts required for understanding nanostructured materials and their behavior will be covered. Topics covered include the structural aspects of crystalline and amorphous solids and relationships to bonding types, point and space groups. Summary of diffraction theory and practice. The reciprocal lattice. Relationships of the microscopically measured properties to crystal symmetry. Structural aspects of defects in crystalline solids.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Daniel Josell      | Seats (Total: 26) |
|      | MW 5:00pm - 6:15pm | CHE 2145          |

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### **ENMA660 Thermodynamics in Materials Science**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Corequisite: ENMA650. Restriction: Permission of ENGR-Materials Science & Engineering department.*

*Thermodynamics of engineering solids. Thermal, diffusional and mechanical interactions in macroscopic systems. Systems in thermal contact, systems in thermal and diffusive contact, systems in thermal and mechanical contact.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Oded Rabin         | Seats (Total: 25) |
|      | MW 3:30pm - 4:45pm | JMP 2202          |

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### **ENMA680 Determination of Structure, Chemical Composition and Defects in Materials**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ENMA650.*

*Basic principles of electron microscopy theory, electron diffraction, and imaging theory. The electron beam sample interaction that gives rise to different signals is related to the structural and compositional information that is obtained from a sample using a TEM. The most common TEM techniques for structural characterization of a sample, namely, electron diffraction, bright/dark field imaging, and high resolution lattice imaging are discussed. Compositional information obtained from x-ray fluorescence and electron energy loss as well as the resolution of these techniques is also covered. A description of techniques used to study magnetic materials is also presented.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Lourdes Salamanca-Riba | Seats (Total: 22) |
|      | TuTh 3:30pm - 4:45pm   | EGR 1104          |

### ENMA683

#### Structural Determination Laboratory

(Perm req)

Credits: 1      Grading Method: Regular,  
Audit

*Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA698L or ENMA683. Formerly: ENMA698L.*

*The operation of an electron microscope is covered. TEM techniques that are used to characterize the structure, defects and composition of a sample are presented and used to study a variety of materials. These techniques are: electron diffraction patterns, bright/dark field imaging, high resolution lattice imaging and energy dispersive x-ray spectroscopy. Also covers different sample preparation techniques for TEM. The goal is that the students become independent users of the TEM.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Lourdes Salamanca-Riba | Seats (Total: 5)  |
|      | Th 9:30am - 12:30pm    | KEB 1237      Lab |
| 0201 | Lourdes Salamanca-Riba | Seats (Total: 5)  |
|      | F 2:00pm - 5:00pm      | KEB 1237      Lab |

### ENMA688

#### Seminar in Materials Science and Engineering

Credits: 1      Grading Method: Regular,  
Audit

*Current research in materials science and engineering and related fields.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Marina Leite, Gary Rubloff | Seats (Total: 38) |
|      | F 1:00pm - 2:30pm          | CHE 2108          |

### ENMA698

#### Special Problems in Materials Science and Engineering

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

|      |   |                  |
|------|---|------------------|
| 0101 | Ichiro Takeuchi                               | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

(Perm req) Credits: 3 Grading Method: Regular, Pass-Fail, Audit

*Corequisite: Must be concurrently enrolled in MATH141. Restriction: Permission of ENGR-Mechanical Engineering department. Credit only granted for: ENAE202 or ENME202.*

*Introduction to computational tools for the solution of engineering problems. C++ & MATLAB programming including branching and loops, functions, file handling, arrays, and data structures. Students will be introduced to object-oriented programming, basic computing, algorithms, and principles of software engineering.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Johan Larsson        | Seats (Total: 42) |
|      | MW 11:00am - 11:50am | JMP 3201          |
|      | F 8:00am - 9:50am    | KEB 2111 Lab      |
| 0102 | Johan Larsson        | Seats (Total: 42) |
|      | MW 11:00am - 11:50am | JMP 3201          |
|      | Th 3:00pm - 4:50pm   | KEB 2111 Lab      |
| 0103 | Johan Larsson        | Seats (Total: 29) |
|      | MW 11:00am - 11:50am | JMP 3201          |
|      | Th 3:00pm - 4:50pm   | EGR 0312 Lab      |

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**ENME208 Introduction to Automotive Engineering and Design**

(Perm req)

Credits: 2 Grading Method: Regular

*Selected concepts in automotive engineering and design at the introductory level utilizing the Terps Racing Baja SAE student project as a learning instrument. This class compliments ENME408, Automotive Design, which focuses on the Terps Racing Formula SAE car.*

|      |                    |                     |
|------|--------------------|---------------------|
| 0101 | Scott Schmidt      | Seats (Total: 10)   |
|      | Tu 6:30pm - 7:30pm | JMP 1215            |
|      | Th 6:30pm - 8:30pm | JMP 1215 Discussion |

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**ENME272 Introduction to Computer Aided Design**

(Perm req)

Credits: 2 Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENES100; and must have completed or be concurrently enrolled in MATH141. Restriction: Permission of ENGR-Mechanical Engineering department. Credit only granted for: ENME 414 or ENME272.*

*Fundamentals of CAD, using solid modeling packages (Pro/E, SolidWorks, and Autodesk Inventor). Two and three dimensional drawing. Dimensioning and specifications. Introduction of CAD based analysis tools. Students will complete a design project.*



|      |                                    |                               |
|------|------------------------------------|-------------------------------|
| 0101 | Babak Eslami<br>M 8:00am - 9:50am  | Seats (Total: 42)<br>KEB 2111 |
| 0201 | Babak Eslami<br>W 8:00am - 9:50am  | Seats (Total: 42)<br>KEB 2111 |
| 0401 | Babak Eslami<br>Th 8:00am - 9:50am | Seats (Total: 42)<br>KEB 2111 |
| 0501 | Babak Eslami<br>Tu 8:00am - 9:50am | Seats (Total: 42)<br>KEB 2111 |

### ENME331

### Fluid Mechanics

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENES232 and ENES221. Also offered as: BIOE331. Credit only granted for: BIOE331 or ENME331.*

*Principles of fluid mechanics. Mass, momentum and energy conservation. Hydrostatics. Control volume analysis. Internal and external flow. Boundary layers. Modern measurement techniques. Computer analysis. Laboratory experiments.*

|      |   |  |
|------|---|--|
| 0101 | Kenneth Kiger<br>MW 12:00pm - 12:50pm<br>Tu 1:00pm - 2:50pm | Seats (Total: 30)<br>EGR 1202<br>KEB 1200      Lab |
| 0102 | Kenneth Kiger<br>MW 12:00pm - 12:50pm<br>W 1:00pm - 2:50pm  | Seats (Total: 30)<br>EGR 1202<br>JMP 1109      Lab |
| 0103 | Kenneth Kiger<br>MW 12:00pm - 12:50pm<br>Th 1:00pm - 2:50pm | Seats (Total: 30)<br>EGR 1202<br>KEB 1200      Lab |
| 0104 | Kenneth Kiger<br>MW 12:00pm - 12:50pm<br>Th 3:00pm - 4:50pm | Seats (Total: 30)<br>EGR 1202<br>JMP 1109      Lab |
| 0105 | Kenneth Kiger<br>MW 12:00pm - 12:50pm<br>Tu 3:00pm - 4:50pm | Seats (Total: 30)<br>EGR 1202<br>CHE 2118      Lab |

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0106 | Kenneth Kiger        | Seats (Total: 30) |     |
|      | MW 12:00pm - 12:50pm | EGR 1202          |     |
|      | W 3:00pm - 4:50pm    | JMP 1109          | Lab |

### ENME332 Transfer Processes

(Perm req)

Credits: 3 Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENME331.*

*The principles of heat transfer. Conduction in solids. Convection. Radiation. Modern measurement techniques. Computer analysis.*

|      |                           |                   |     |
|------|---------------------------|-------------------|-----|
| 0101 | Marino diMarzo, Amir Riaz | Seats (Total: 39) |     |
|      | MW 9:00am - 9:50am        | EGR 1202          |     |
|      | Tu 1:00pm - 2:50pm        | JMP 2202          | Lab |
| 0102 | Marino diMarzo, Amir Riaz | Seats (Total: 40) |     |
|      | MW 9:00am - 9:50am        | EGR 1202          |     |
|      | W 1:00pm - 2:50pm         | JMP 2202          | Lab |
| 0103 | Amir Riaz, Marino diMarzo | Seats (Total: 40) |     |
|      | MW 9:00am - 9:50am        | EGR 1202          |     |
|      | Th 1:00pm - 2:50pm        | JMP 2202          | Lab |
| 0104 | Amir Riaz, Marino diMarzo | Seats (Total: 40) |     |
|      | MW 9:00am - 9:50am        | EGR 1202          |     |
|      | F 1:00pm - 2:50pm         | JMP 2202          | Lab |

### ENME350 Electronics and Instrumentation I

(Perm req)

Credits: 3 Grading Method: Regular

*Prerequisite: PHYS271 and PHYS270.*

*Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.*

|      |                    |                   |     |
|------|--------------------|-------------------|-----|
| 0101 | Jungho Kim         | Seats (Total: 40) |     |
|      | MW 8:00am - 8:50am | BRB 1101          |     |
|      | M 1:00pm - 2:50pm  | EGR 3108          | Lab |

|      |  |   |     |
|------|--|---|-----|
| 0102 | Jungho Kim<br>MW 8:00am - 8:50am<br>Th 1:00pm - 2:50pm | Seats (Total: 40)<br>BRB 1101<br>EGR 3108 | Lab |
| 0103 | Jungho Kim<br>MW 8:00am - 8:50am<br>W 3:20pm - 5:10pm  | Seats (Total: 40)<br>BRB 1101<br>EGR 3108 | Lab |
| 0104 | Jungho Kim<br>MW 8:00am - 8:50am<br>Tu 3:20pm - 5:10pm | Seats (Total: 40)<br>BRB 1101<br>EGR 3108 | Lab |
| 0105 | Jungho Kim<br>MW 8:00am - 8:50am<br>M 3:20pm - 5:10pm  | Seats (Total: 40)<br>BRB 1101<br>EGR 3108 | Lab |
| 0106 | Jungho Kim<br>MW 8:00am - 8:50am<br>Th 3:20pm - 5:10pm | Seats (Total: 40)<br>BRB 1101<br>EGR 3108 | Lab |

### ENME351

(Perm req)

### Electronics and Instrumentation II

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS271, ENME350, and PHYS270.*

*Continuation of ENME 350. Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.*

|      |   |   |     |
|------|---|---|-----|
| 0101 | Steven Mitchell<br>MW 10:00am - 10:50am<br>Tu 1:00pm - 2:50pm | Seats (Total: 40)<br>EGR 1202<br>EGR 3108 | Lab |
| 0102 | Steven Mitchell<br>MW 10:00am - 10:50am<br>W 6:00pm - 7:50pm  | Seats (Total: 40)<br>EGR 1202<br>EGR 3108 | Lab |
| 0103 | Steven Mitchell<br>MW 10:00am - 10:50am<br>W 1:00pm - 2:50pm  | Seats (Total: 40)<br>EGR 1202<br>EGR 3108 | Lab |

|      |                      |                   |     |  |
|------|----------------------|-------------------|-----|--|
| 0104 | Steven Mitchell      | Seats (Total: 40) |     |  |
|      | MW 10:00am - 10:50am | EGR 1202          |     |  |
|      | Tu 6:00pm - 7:50pm   | EGR 3108          | Lab |  |

### ENME361 **Vibration, Controls and Optimization I**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENES220, ENES221, and MATH246; and (ENME271 or MATH206). Restriction: Must be in Engineering: Mechanical program.*

*Fundamentals of vibration, controls and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical description of system response, system stability, control and optimization. Optimal design of mechanical systems.*

|      |                                |                    |  |  |
|------|--------------------------------|--------------------|--|--|
| 0101 | Babak Eslami, Abhijit Dasgupta | Seats (Total: 140) |  |  |
|      | TuTh 9:30am - 10:45am          | EGR 1202           |  |  |

### ENME371 **Product Engineering and Manufacturing**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENES221; and (ENME392 or STAT400). Restriction: Must be in Engineering: Mechanical program.*

*Business aspects of engineering product development. Relationship of design and manufacturing. Product specification. Statistical process control. Design team development. The development process.*

|      |                      |                   |     |  |
|------|----------------------|-------------------|-----|--|
| 0101 | Vincent Nguyen       | Seats (Total: 34) |     |  |
|      | MW 11:00am - 11:50am | EGR 1202          |     |  |
|      | Th 5:00pm - 6:50pm   | EGL 0101          | Lab |  |
| 0102 | Vincent Nguyen       | Seats (Total: 34) |     |  |
|      | MW 11:00am - 11:50am | EGR 1202          |     |  |
|      | Th 3:00pm - 4:50pm   | EGL 0101          | Lab |  |
| 0103 | Vincent Nguyen       | Seats (Total: 34) |     |  |
|      | MW 11:00am - 11:50am | EGR 1202          |     |  |
|      | F 8:00am - 9:50am    | EGL 0101          | Lab |  |

|      |                      |                   |
|------|----------------------|-------------------|
| 0104 | Vincent Nguyen       | Seats (Total: 34) |
|      | MW 11:00am - 11:50am | EGR 1202          |
|      | Th 7:00pm - 8:50pm   | EGL 0101      Lab |
| 0105 | Vincent Nguyen       | Seats (Total: 34) |
|      | MW 11:00am - 11:50am | EGR 1202          |
|      | W 6:00pm - 7:50pm    | EGL 0101      Lab |

## ENME382

### Introduction to Materials Engineering

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENES100; and permission of ENGR-Mechanical Engineering department. Corequisite: MATH241. Recommended: PHYS261 and PHYS260. Also offered as: ENMA300. Credit only granted for: ENMA300 or ENME382.*

*Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.*

|      |                        |                    |
|------|------------------------|--------------------|
| 0101 | Liyang Dai-Hatrick     | Seats (Total: 120) |
|      | TuTh 11:00am - 12:15pm | CHE 2110           |
| 0201 | Mohamad Al-Sheikhly    | Seats (Total: 100) |
|      | TuTh 8:00am - 9:15am   | CHE 2110           |
| 0301 | Patrick McCluskey      | Seats (Total: 120) |
|      | MWF 10:00am - 10:50am  | CHE 2110           |

## ENME392

### Statistical Methods for Product and Processes Development

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH241.*

*Integrated statistical methodology for the improvement of products and processes in terms of performance, quality and cost. Designed experimentation. Statistical process control. Software application. Laboratory activities.*

Delivered via ITV.

|      |                        |                    |
|------|------------------------|--------------------|
| 0101 | Peter Chung            | Seats (Total: 103) |
|      | TuTh 11:00am - 12:15pm | JMP 3201           |

|      |                       |                    |
|------|-----------------------|--------------------|
| 0201 | David Bigio           | Seats (Total: 120) |
|      | TuTh 9:30am - 10:45am | JMP 3201           |

## ENME400 Machine Design

(Perm req)

Credits: 3 Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have completed or be concurrently enrolled in ENME361. Restriction: Permission of ENGR-Mechanical Engineering department.*

*Design of mechanical elements and planar machines. Failure theories. Design of pressure vessels, joints, rotating elements, and transmission elements. Kinematic structures, graphical, analytical, and numerical analysis and synthesis of linkages, gear trains, and flywheels are covered.*

|      |                        |                     |
|------|------------------------|---------------------|
| 0201 | Chandrasekhar Thamire  | Seats (Total: 80)   |
|      | TuTh 10:00am - 10:50am | SYM 0200            |
|      | Th 2:00pm - 3:50pm     | ATL 1113 Discussion |

## ENME408 Selected Topics in Engineering Design; Automotive Design

(Perm req)

Credits: 3 Grading Method: Regular,  
Pass-Fail, Audit

*Creativity and innovation in design. Generalized performance analysis, reliability and optimization as applied to the design of components and engineering systems. Use of computers in design of multivariable systems.*

Restriction: Must be in Engineering: Mechanical program; and senior standing. Or permission of ENGR-Mechanical Engineering department. Repeatable to 6 credits if content differs. Creativity and innovation in design. Generalized performance analysis, reliability and optimization as applied to the design of components an engineering systems. Use of computers in design of multivariable systems.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Leonard Hamilton   | Seats (Total: 55) |
|      | MW 5:00pm - 6:15pm | JMP 3201          |

## ENME416 Additive Manufacturing

(Perm req)

Credits: 3 Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENME331. And ENME272; or ENME414. Restriction: Permission of ENGR-Mechanical Engineering department.*

*Develop a comprehensive understanding of fundamental additive manufacturing, 3D printing approaches, including: extrusion-based deposition, stereolithography, powder bed-based melting, and inkjet-based deposition. Cultivate a design for-additive manufacturing skillset for CAD and CAM methodologies to produce successful 3D prints. Fabricate 3D mechanical objects using a variety of 3D printing technologies on campus. Execute a design project that demonstrates how additive manufacturing technologies can overcome critical limitations of traditional manufacturing processes.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Ryan Sochol           | Seats (Total: 50) |
|      | MWF 12:00pm - 12:50pm | JMP 2121          |

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### **ENME423      Modern Climate Control and Building Energy Design/Analysis**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENES232. Corequisite: ENME332. Restriction: Permission of ENGR-Mechanical Engineering department.*

*Fundamentals and design calculations of heat and moisture transfer in buildings; evaluation of cooling, heating and power requirements of buildings; building energy consumption simulations, use of alternative energy and energy conservation measures in buildings; fundamentals of fans/pumps and air/water distribution in buildings; introduction to refrigeration and energy systems for data centers and other mission-critical facilities.*

Delivered via ITV.

|      |                                       |                   |
|------|---------------------------------------|-------------------|
| 0101 | Jelena Srebric, Mohammad Heidarinejad | Seats (Total: 35) |
|      | TuTh 3:30pm - 4:45pm                  | TYD 2110          |

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### **ENME426      Production Management**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: BMGT385 or ENME426.*

*The basic concepts and models needed to understand and design manufacturing systems, including the history of manufacturing, performance measures, queuing systems, variability, production planning and scheduling, lean manufacturing, and pull production control.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Jeffrey Herrmann   | Seats (Total: 49) |
|      | MW 2:00pm - 3:15pm | PHY 1402          |

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### **ENME430      Fundamentals of Nuclear Reactor Engineering**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH246. Restriction: Permission of ENGR-Mechanical Engineering department.*

*Fundamental aspects of nuclear physics and nuclear engineering, including nuclear interactions; various types of radiation and their effects on materials and humans; and basic reactor physics topics, including simplified theory of reactor critically.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Robert Sanders       | Seats (Total: 35) |
|      | TuTh 2:00pm - 3:15pm | JMP 2121          |

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## ENME432

### Reactor and Radiation Measurements Laboratory

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENME430 and MATH246. Restriction: Permission of ENGR-Mechanical Engineering department. Also offered as: ENNU440. Credit only granted for: ENNU440 or ENME432.*

*Basics concepts of nuclear radiation and radiation detectors including types of radiation, radioactive decay, and interactions of radiation with matter.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Michael Coplan, Matthew Forsbacka,<br>Timothy Koeth | Seats (Total: 10) |
|      | Th 9:30am - 10:20am                                 | CHM 0124          |
|      | Th 4:00pm - 7:00pm                                  | CHE 1306      Lab |

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## ENME440

### Applied Machine Learning for Engineering and Design

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENME392; or permission of instructor. Restriction: Permission of ENGR-Mechanical Engineering department. Credit only granted for: ENME440, ENME808E, or ENME743.*

*Learn how to apply techniques from Artificial Intelligence and Machine Learning to solve engineering problems and design new products or systems. Design and build a personal or research project that demonstrates how computational learning algorithms can solve difficult tasks in areas you are interested in. Master how to interpret and transfer state-of-the-art techniques from computer science to practical engineering situations and make smart implementation decisions.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Mark Fuge            | Seats (Total: 15) |
|      | TuTh 2:00pm - 3:15pm | CHE 2136          |

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## ENME442

### Information Security



(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must have Senior standing in engineering; and permission of ENGR-Mechanical Engineering department. Also offered as: ENRE684. Credit only granted for: ENRE648J, ENME442, ENRE684, or ENPM808E.*

*The materials presented are divided into three major components: overview, detailed concepts and implementation techniques. The topics to be covered are: general security concerns and concepts from both a technical and management point of view, principles of security, architectures, access control and multi-level security, trojan horses, covert channels, trap doors, hardware security mechanism, security models, security kernels, formal specifications and verification, networks and distribution systems and risk analysis.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Michel Cukier         | Seats (Total: 24) |
|      | TuTh 9:30am - 10:45am | JMP 2222          |

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#### **ENME444**

#### **Assistive Robotics**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENME351. Restriction: Permission of ENGR-Mechanical Engineering department.*

*Fundamentals of assistive robots used in a wide variety of ways to help humans with disabilities. Three application areas will be covered: (1) Rehabilitation robotics to recover motor function from neurologic injuries such as stroke, (2) Prosthetics to enable mobility function in amputees, and (3) Social robotics for cognitive impairment and developmental disorders such as autism. Theory behind different control systems employed by assistive robotics, as well as the mechanical design, sensors & actuators, and user interfaces behind representative robots in the respective areas. Guidelines for designing assistive robots. Ethical and regulatory considerations in the design of assistive robots.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Anindo Roy            | Seats (Total: 30) |
|      | TuTh 9:30am - 10:45am | JMP 1109          |

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#### **ENME454**

#### **Vehicle Dynamics**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Corequisite: ENME361. Restriction: Permission of ENGR-Mechanical Engineering department.*

*The fundamentals of passenger vehicle and light truck design and vehicle dynamics are covered. The engineering principles associated with acceleration, braking, handling, ride quality, aerodynamics, and tire mechanics are discussed, as well as suspension and steering design.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Vincent Nguyen     | Seats (Total: 66) |
|      | MW 3:30pm - 4:45pm | JMP 3201          |

## ENME462 Vibrations, Controls, and Optimization II

(Perm req)

Credits: 3 Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENME351 and ENME361.*

*Continuation of ENME 361. Fundamentals of vibration, controls, and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical descriptions of system response, system stability, control and optimization. Optimal design of mechanical systems.*

Delivered via ITV.

|      |                                  |                     |
|------|----------------------------------|---------------------|
| 0101 | Nikhil Chopra, Munther Hassouneh | Seats (Total: 40)   |
|      | MW 10:00am - 10:50am             | JMP 3201            |
|      | W 1:00pm - 2:50pm                | KEB 2111 Discussion |
| 0102 | Nikhil Chopra, Munther Hassouneh | Seats (Total: 40)   |
|      | MW 10:00am - 10:50am             | JMP 3201            |
|      | F 1:00pm - 2:50pm                | KEB 2111 Discussion |
| 0103 | Munther Hassouneh, Nikhil Chopra | Seats (Total: 40)   |
|      | MW 10:00am - 10:50am             | JMP 3201            |
|      | F 10:00am - 11:50am              | KEB 2111 Discussion |
| 0201 | Nikhil Chopra                    | Seats (Total: 30)   |
|      | MW 10:00am - 10:50am             | EGR 1108            |
|      | W 1:00pm - 2:50pm                | KEB 2107 Discussion |
| 0202 | Nikhil Chopra                    | Seats (Total: 30)   |
|      | MW 10:00am - 10:50am             | EGR 1108            |
|      | M 11:00am - 12:50pm              | KEB 2107 Discussion |

## ENME467 Engineering for Social Change

(Perm req)

Credits: 3 Grading Method: Regular

*Restriction: Permission of ENGR-Mechanical Engineering department; and junior standing or higher.*

*Critical analysis of issues at the intersection of engineering, philanthropy and social change. How engineering design, products and processes have impacted social change in the past and will do so in the future. Topics covered include energy, sustainability and climate change, autonomy, the digital future, low cost engineering, manufacturing, ethics and the impact of electronics on society. Faculty and external experts will engage with students on these topics. Students will award a significant amount of grant money to an organization involved in technology for social change*

Also offered as ENES467. Credit granted for ENME467 or ENES467.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Davinder Anand    | Seats (Total: 30) |
|      | F 1:00pm - 3:40pm | KEB 1200          |

## **ENME470 Finite Element Analysis**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Senior standing; and permission of ENGR-Mechanical Engineering department.*

*Basic concepts of the theory of the finite element method. Applications in solid mechanics and heat transfer.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Guangming Zhang       | Seats (Total: 42) |
|      | MWF 12:00pm - 12:50pm | KEB 2111          |
| 0201 | Hugh Bruck            | Seats (Total: 30) |
|      | M 4:00pm - 5:15pm     | ITV 1100          |
|      | W 4:00pm - 5:15pm     | EGR 0312          |

## **ENME472 Integrated Product and Process Development**

(Perm req)

Credits: 3      Grading Method: Regular,      CORE: CS  
Pass-Fail, Audit

*Prerequisite: ENME371.*

*Integration of product development with the development process. Design strategies. Product architecture. Design for manufacturing. Selection of materials. Design for assembly.*

|      |                        |                          |
|------|------------------------|--------------------------|
| 0101 | Shapour Azarm          | Seats (Total: 35)        |
|      | Tu 12:00pm - 1:50pm    | EGL 0101                 |
|      | TuTh 11:00am - 11:50am | EGR 1202      Discussion |

|      |                        |                   |            |
|------|------------------------|-------------------|------------|
| 0102 | Linda Schmidt          | Seats (Total: 35) |            |
|      | Th 12:00pm - 1:50pm    | EGL 0101          |            |
|      | TuTh 11:00am - 11:50am | EGR 1202          | Discussion |
| 0103 | David Bigio            | Seats (Total: 35) |            |
|      | W 4:00pm - 5:50pm      | EGL 0101          |            |
|      | TuTh 11:00am - 11:50am | EGR 1202          | Discussion |
| 0104 | Monifa Vaughn-Cooke    | Seats (Total: 30) |            |
|      | F 1:00pm - 2:50pm      | EGL 0101          |            |
|      | TuTh 11:00am - 11:50am | EGR 1202          | Discussion |
| 0106 | Gary Pertmer           | Seats (Total: 35) |            |
|      | Tu 2:00pm - 3:50pm     | EGL 0101          |            |
|      | TuTh 11:00am - 11:50am | EGR 1202          | Discussion |

#### ENME473

(Perm req)

#### Mechanical Design of Electronic Systems

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Design considerations in the packaging of electronic systems. Production of circuit boards and design of electronic assemblies. Vibration, shock, fatigue and thermal considerations.*

Delivered via ITV.

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 0101 | Bongtae Han        | Seats (Total: 25) |  |
|      | MW 2:00pm - 3:15pm | JMP 2121          |  |

#### ENME484

#### Analysis of Turbulent Flow

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENME331. Restriction: Permission of ENGR-Mechanical Engineering department. Also offered as: ENME657. Credit only granted for: ENME484 or ENME657.*

*Relentless growth in the speed and size of supercomputers has encouraged the ever expanding use of numerical simulation in the practice of fluids engineering. For the flow past ground vehicles, in the urban grid, re-entering rockets, helicopters landing on ships at sea and countless other examples, the flow is turbulent, and simulation is becoming or will one day become the methodology of choice in analyzing and designing such technologies. The goal of this course is to give an introduction to the analysis of turbulent flow via simulation and the modeling that is used in its development. Among the questions to be considered: What can one hope to learn from flow simulation? What are the strengths of the approach and what obstacles inhibit its application? What kind of physical considerations are required in setting up simulations? How does one analyze the results of a simulation?*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Peter Bernard        | Seats (Total: 10) |
|      | MW 11:00am - 12:15pm | EGR 2116          |

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**ENME486      Computational Modeling, Simulation, and Interactive Visualization**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Senior standing; and permission of ENGR-Mechanical Engineering department.*

*Creation of interactive graphic displays from the numerical simulation of mechanical engineering models. Brief description of each model provided, along with varied parameters to explore models' characteristics. Conclusions drawn from use of each interactive graphic. Mathematica language introduced and interwoven with the numerical simulation of the models, which will include: robotics and mechanisms, static response of beams, control systems, measurement systems, fluid flow, vibrations, geometric modeling, finite element analysis, and nonlinear phenomena.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Edward Magrab         | Seats (Total: 23) |
|      | TuTh 12:30pm - 1:45pm | EGR 0312          |

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**ENME488      Special Problems**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Advanced problems in mechanical engineering with special emphasis on mathematical and experimental methods.*

Limited to mechanical engineering seniors.

**Contact department for information to register for this course.**

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**ENME489      Special Topics in Mechanical Engineering**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Selected topics of current importance in mechanical engineering.*

Contact department for information to register for this course.

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**ENME489B Special Topics in Mechanical Engineering; Mechatronics and the Internet of Things**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected topics of current importance in mechanical engineering.*

Prerequisite: ENME351; and permission of department.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Don DeVoe             | Seats (Total: 30) |
|      | TuTh 9:30am - 10:45am | EGR 3108          |

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**ENME489C Special Topics in Mechanical Engineering; Medical Robotics**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected topics of current importance in mechanical engineering.*

Co-req ENME361 Permission of the Department.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Axel Krieger       | Seats (Total: 30) |
|      | MW 2:00pm - 3:15pm | EGR 0135          |

---

**ENME489E Special Topics in Mechanical Engineering; Design for Sustainability**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected topics of current importance in mechanical engineering.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Senthil Arul         | Seats (Total: 45) |
|      | TuTh 5:00pm - 6:15pm | CHE 2118          |

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**ENME489F Special Topics in Mechanical Engineering; Dynamics of Atmospheric Flight**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected topics of current importance in mechanical engineering.*

Prerequisite: ENME331.

|      |                   |                   |
|------|-------------------|-------------------|
| 0201 | David Findlay     | Seats (Total: 10) |
|      | W 3:30pm - 6:10pm | JMP 2120          |

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**ENME489G Special Topics in Mechanical Engineering; Manufacturing Processes and Design**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected topics of current importance in mechanical engineering.*

Prerequisites: ENME382; and permission of department.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Ho Yeung             | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm | EGR 1104          |

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**ENME489M Special Topics in Mechanical Engineering; Ultra Energy Efficient Thermal System Design II**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected topics of current importance in mechanical engineering.*

Pre-req ENES232, preferred ENME332

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Yunho Hwang       | Seats (Total: 15) |
|      | M 3:30pm - 6:10pm | MTH 0402          |

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**ENME489R Special Topics in Mechanical Engineering; Fiber Optics**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected topics of current importance in mechanical engineering.*

Prerequisite: Senior standing and department permission.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Miao Yu              | Seats (Total: 15) |
|      | TuTh 3:30pm - 4:45pm | MTH B0423         |

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**ENME489V Special Topics in Mechanical Engineering; Mechanical Contracting**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected topics of current importance in mechanical engineering.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Gary Pertmer, Michael Mack | Seats (Total: 31) |
|      | Th 8:00am - 10:40am        | EGR 2154          |

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**ENME489X****Special Topics in Mechanical Engineering; Energy Conversion Systems for Sustainability**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected topics of current importance in mechanical engineering.*

Prerequisite: ENES232.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Ashwani Gupta      | Seats (Total: 65) |
|      | Th 4:00pm - 6:40pm | JMP 3201          |

**ENME489Z****Special Topics in Mechanical Engineering; Structural Mechanics - Aerospace Applications**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected topics of current importance in mechanical engineering.*

Prerequisite: ENES220 and MATH246. Restriction: permission of department.

|      |                    |                   |
|------|--------------------|-------------------|
| 0201 | David John Barrett | Seats (Total: 10) |
|      | MW 8:00am - 9:15am | JMP 2120          |

**ENME610****Engineering Optimization**

Credits: 3                      Grading Method: Regular,  
Audit

*Overview of applied single- and multi- objective optimization and decision making concepts and techniques with applications in engineering design and/or manufacturing problems. Topics include formulation examples, concepts, optimality conditions, unconstrained/constrained methods, and post-optimality sensitivity analysis. Students are expected to work on a semester-long real-world multi-objective engineering project.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Shapour Azarm      | Seats (Total: 25) |
|      | Tu 4:00pm - 6:40pm | ITV 1100          |

**ENME611****Fiber Optics**

Credits: 3                      Grading Method: Regular,  
Audit

*Credit only granted for: ENME611, ENME808 or ENME489R. Formerly: ENME808R.*



*Introduces students to fiber optics, provides a background including fiber optic components and terminology, and equip students with ability to understand and evaluate various kinds of fiber optic sensors for a wide range of applications along with a detailed understanding of relevant signal processing and analysis techniques.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Miao Yu              | Seats (Total: 10) |
|      | TuTh 3:30pm - 4:45pm | MTH B0423         |

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**ENME631      Advanced Conduction and Radiation Heat Transfer**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ENME332; or students who have taken courses with comparable content may contact the department; or permission of instructor.*

*Theory of conduction and radiation. Diffused and directional, poly- and mono-chromatic sources. Quantitative optics. Radiation in enclosures. Participating media. Integrodifferential equations. Multidimensional, transient and steady-state conduction. Phase change. Coordinate system transformations.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Bao Yang           | Seats (Total: 25) |
|      | MW 2:00pm - 3:15pm | PHY 4221          |

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**ENME640      Fundamentals of Fluid Mechanics**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Must have completed partial differential equations at the level of MATH 462; or permission of ENGR-Mechanical Engineering department. Formerly: ENME651.*

*Equations governing the conservation of mass, momentum, vorticity and energy in fluid flows. Low Reynolds number flows. Boundary layers. The equations are illustrated by analyzing a number of simple flows. Emphasis is placed on physical understanding to facilitate the study of advanced topics in fluid mechanics.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Peter Bernard      | Seats (Total: 30) |
|      | MW 3:30pm - 4:45pm | CHE 2136          |

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**ENME657      Analysis of Turbulent Flow**

Credits: 3      Grading Method: Regular,  
Audit

*Mathematical representation of turbulent transport, production and dissipation. Closure schemes for predicting flows. Recent advances in direct and large eddy numerical simulation techniques.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Peter Bernard        | Seats (Total: 15) |
|      | MW 11:00am - 12:15pm | EGR 2116          |

# ENME662

## Linear Vibrations

Credits: 3

Grading Method: Regular,  
Audit

*Development of equations governing small oscillations and spatially continuous systems. Newton's equations, Hamilton's principle, and Lagrange's equations. Free and forced vibrations of mechanical systems. Modal analysis. Finite element discretization and reductions of continuous systems. Numerical methods. Random vibrations.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Amr Baz              | Seats (Total: 30) |
|      | TuTh 5:00pm - 6:15pm | EGR 2116          |

**ENME670**

# Continuum Mechanics

Credits: 3

Grading Method: Regular,  
Audit

*Mechanics of deformable bodies, finite deformation and strain measures, kinematics of continua and global and local balance laws. Thermodynamics of continua, first and second laws. Introduction to constitutive theory for elastic solids, viscous fluids and memory dependent materials. Examples of exact solutions for linear and hyper elastic solids and Stokesian fluids.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Teng Li              | Seats (Total: 25) |
|      | MW 11:00am - 12:15pm | EGR 3106          |

**ENME690**

# Mechanical Fundamentals of Electronic Systems

Credits: 3

Grading Method: Regular,  
Audit

*An understanding of the fundamental mechanical principles used in design of electronic devices and their integration into electronic systems will be provided. Focus will be placed on the effect of materials compatibility, thermal stress, mechanical stress, and environmental exposure on product performance, durability and cost. Both electronic devices and package assemblies will be considered. Analysis of package assemblies to understand thermal and mechanical stress effects will be emphasized through student projects.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Bongtae Han<br>MW 2:00pm - 3:15pm         | Seats (Total: 25)<br>JMP 2121 |
| ER01 | Bongtae Han<br>Class time/details on ELMs | Seats (Total: 8)<br>ONLINE    |
| RE01 | Bongtae Han<br>Class time/details on ELMs | Seats (Total: 3)<br>ONLINE    |

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## ENME701 Sustainable Energy Conversion and the Environment

Credits: 3                      Grading Method: Regular,  
   Audit

*Recommended: ENME633. Credit only granted for: ENME701, ENME706 or ENME808D. Formerly: ENME706 and ENME808D.*

*Discussion of the major sources and end-uses of energy in our society with particular emphasis on renewable energy production and utilization. Introduces a range innovative technologies and discusses them in the context of the current energy infrastructure. Renewable sources such as wind and solar are discussed in detail. Particular attention is paid to the environmental impact of the various forms of energy.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Jiazhen Ling, K Radermacher<br>Tu 4:00pm - 6:40pm         | Seats (Total: 25)<br>JMP 2217 |
| ME01 | Jiazhen Ling, K Radermacher<br>Class time/details on ELMs | Seats (Total: 10)<br>ONLINE   |

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## ENME737 Prognostics and Health Management

Credits: 3                      Grading Method: Regular,  
   Audit

*Credit only granted for: ENME737 or ENME808A. Formerly: ENME808A.*

*Prognostics and health management (PHM) is an enabling discipline consisting of technologies and*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Michael Pecht<br>M 9:30am - 12:10pm         | Seats (Total: 20)<br>JMP 2216 |
| ER01 | Michael Pecht<br>Class time/details on ELMs | Seats (Total: 10)<br>ONLINE   |



*Prerequisite: ENME272 and ENME331; or students who have taken courses with comparable content may contact the department. Also offered as: ENME416. Credit only granted for: ENME 416 OR ENME 744.*

*Develop a comprehensive understanding of fundamental additive manufacturing-alternatively, "three-dimensional (3D) printing-approaches, including extrusion-based deposition, stereolithography, powder bed-based melting, and inkjet-based deposition. Cultivate a "design-for-additive manufacturing" skill set for combining computer-aided design (CAD) and computer-aided manufacturing (CAM) methodologies to produce successful 3D prints. Fabricate 3D mechanical objects using a variety of 3D printing technologies on campus. Execute a design project that demonstrates how additive manufacturing technologies can overcome critical limitations of traditional manufacturing processes.*

|      |                            |                   |
|------|----------------------------|-------------------|
| DE01 | Ryan Sochol                | Seats (Total: 20) |
|      | Class time/details on ELMs | ONLINE            |

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## **ENME770      Life Cycle Cost and System Sustainment Analysis**

Credits: 3                      Grading Method: Regular,  
   Audit

*This course melds elements of traditional engineering economics with manufacturing process and sustainment modeling, and life cycle cost management concepts to form a practical foundation for predicting the cost of products and systems. Various manufacturing cost analysis methods will be presented including: process-flow, parametric, cost of ownership, and activity based costing. The effects of learning curves, data uncertainty, test and rework processes, and defects will be considered. Aspects of system sustainment including the impact on the life cycle (and life cycle costs) of reliability, maintenance, environmental impact, and obsolescence will be treated.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Peter Sandborn             | Seats (Total: 25) |
|      | Tu 1:00pm - 3:40pm         | JMP 2222          |
| ER01 | Peter Sandborn             | Seats (Total: 10) |
|      | Class time/details on ELMs | ONLINE            |
| RE01 | Peter Sandborn             | Seats (Total: 10) |
|      | Class time/details on ELMs | ONLINE            |

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## **ENME799      Master's Thesis Research**

(Perm req)

Credits: 1-6                      Grading Method: Regular

**Contact department for information to register for this course.**

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## **ENME808      Advanced Topics in Mechanical Engineering**

Credits: 3      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

**ENME808I      Advanced Topics in Mechanical Engineering; Interfacial Fluid Mechanics**

Credits: 3      Grading Method: Regular,  
Audit

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Siddhartha Das     | Seats (Total: 25) |
|      | MW 5:00pm - 6:15pm | EGR 1102          |

ENME808M      **Advanced Topics in Mechanical Engineering; Medical Robotics**

Credits: 3      Grading Method: Regular,  
Audit

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Axel Krieger       | Seats (Total: 10) |
|      | MW 2:00pm - 3:15pm | EGR 0135          |

## ENME808P      Advanced Topics in Mechanical Engineering; Ultra Energy Efficient Thermal System Design II

Credits: 3      Grading Method: Regular,  
Audit

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Yunho Hwang       | Seats (Total: 20) |
|      | M 3:30pm - 6:10pm | PHY 1402          |

**ENME808R      Advanced Topics in Mechanical Engineering; Data-Driven Modeling and Estimation in Dynamical Systems**

Credits: 3      Grading Method: Regular, Audit

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Jin-Oh Hahn        | Seats (Total: 25) |
|      | MW 5:00pm - 6:15pm | EGR 3102          |

**ENME808X      Advanced Topics in Mechanical Engineering; Mathematical Foundations for Computer Engineering**

Credits: 3      Grading Method: Regular,  
Audit

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Uzi Vishkin         | Seats (Total: 10) |
|      | MW 12:30pm - 1:45pm | EGR 3114          |

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**ENME808Z      Advanced Topics in Mechanical Engineering; Analysis of Structural Elements**

Credits: 3                      Grading Method: Regular,  
   Audit

Also offered as ENAE788P. Credit only granted for ENME808Z or ENAE788P.

|      |                    |                   |
|------|--------------------|-------------------|
| 0201 | Olivier Bauchau    | Seats (Total: 15) |
|      | MW 2:00pm - 3:15pm | ANS 0412          |

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**ENME898      Pre-Candidacy Research**

Credits: 1-8                      Grading Method: Regular

**Contact department for information to register for this course.**

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**ENME899      Doctoral Dissertation Research**

(Perm req)

Credits: 6                      Grading Method: Regular

**Contact department for information to register for this course.**

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**ENPM      Engineering, Professional Masters      Fall 2017**

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**ENPM600      Probability and Stochastic Processes for Engineers**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: Undergraduate introduction to discrete and continuous probability.*

*Axioms of probability; conditional probability and Bayes' rule; random variables, probability distributions and densities; functions of random variables; definition of stochastic process; stationary processes, correlation functions, and power spectral densities; stochastic processes and linear systems; estimation and optimum filtering. Applications in communication and control systems, signal processing, and detection and estimation.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | C Ravishankar     | Seats (Total: 25) |
|      | M 7:00pm - 9:40pm | JMP 2217          |
| HT01 | C Ravishankar     | Seats (Total: 5)  |
|      | M 7:00pm - 9:40pm | Location: TBA     |
| SG01 | C Ravishankar     | Seats (Total: 5)  |
|      | M 7:00pm - 9:40pm | Location: TBA     |

|      |                   |                  |
|------|-------------------|------------------|
| SM01 | C Ravishankar     | Seats (Total: 5) |
|      | M 7:00pm - 9:40pm | Location: TBA    |

### ENPM603

#### Theory and Applications of Digital Signal Processing

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Undergraduate introduction to discrete-time systems.*

*Uniform sampling and the sampling theorem; the Z-transform and discrete-time system analysis; multi-rate systems; discrete-time random processes; methods for designing FIR and IIR digital filters; effects of quantization and finite work-length; the DFT and FFT; power spectrum estimation.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Emre Gunduzhan     | Seats (Total: 25) |
|      | Th 4:00pm - 6:40pm | JMP 2217          |
| HT01 | Emre Gunduzhan     | Seats (Total: 5)  |
|      | Th 4:00pm - 6:40pm | Location: TBA     |
| SG01 | Emre Gunduzhan     | Seats (Total: 5)  |
|      | Th 4:00pm - 6:40pm | Location: TBA     |
| SM01 | Emre Gunduzhan     | Seats (Total: 5)  |
|      | Th 4:00pm - 6:40pm | Location: TBA     |

### ENPM610

#### Digital VLSI Design

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Must have completed undergraduate courses in solid state devices and digital/analog circuit design.*

*VLSI design with emphasis on CMOS technology. Logic functions using CMOS switches; MOSFET characteristics; BiCMOS, dynamic logic and domino logic structures; PLA's, FPLA's, and gate arrays; layout via MAGIC, use of VHDL, IRSIM, and Spice; design rules and verification techniques; packaging techniques; chip design options: standard cells, sea-of-gates, full custom; design capture and verification tools; design of CMOS datapaths, memory, and control; possible fabrication via MOSIS.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Manoj Franklin    | Seats (Total: 25) |
|      | W 7:00pm - 9:40pm | JMP 2216          |



|      |                                     |                                   |
|------|-------------------------------------|-----------------------------------|
| HT01 | Manoj Franklin<br>W 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SG01 | Manoj Franklin<br>W 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | Manoj Franklin<br>W 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

## ENPM611

### Software Engineering

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Competency in one programming language; and must have completed an undergraduate software engineering course. Or permission of instructor. Restriction: Permission of ENGR-CDL-Office of Advanced Engineering Education.*

*Software engineering concepts, methods, and practices important to both the theorist and the practitioner will be covered. The entire range of responsibilities expected of a software engineer are presented. The fundamental areas of requirements development, software design, programming languages, and testing are covered extensively. Sessions on supporting areas such as systems engineering, project management, and software estimation are also included.*

|      |  |                                   |
|------|--|-----------------------------------|
| 0101 | Christopher Ackermann<br>M 7:00pm - 9:40pm | Seats (Total: 50)<br>JMP 2121     |
| HT01 | Christopher Ackermann<br>M 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SG01 | Christopher Ackermann<br>M 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | Christopher Ackermann<br>M 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

## ENPM613

### Software Design & Implementation

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ENPM611. Restriction: Permission of ENGR-CDL-Office of Advanced Engineering Education.*

*Software design concepts and practices within the field important to both the practitioner and the theorist will be covered. Architectural and detailed designs are included for batch, client/server, and real-time systems. Design considerations for structured, object-oriented, and Web-based systems are covered. Design of databases, user interfaces, forms, and reports are also included. Implementation issues that affect the design, including error handling, performance, and inter-process communication, are presented.*

|      |                                |                                   |
|------|--------------------------------|-----------------------------------|
| 0101 | Ioana Rus<br>W 7:00pm - 9:40pm | Seats (Total: 35)<br>JMP 2121     |
| HT01 | Ioana Rus<br>W 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SG01 | Ioana Rus<br>W 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | Ioana Rus<br>W 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

## ENPM616

### Wireless Communications: Concepts and Technologies

Credits: 3      Grading Method: Regular,  
Audit

*Credit only granted for: ENPM 616 or ENPM 808T. Formerly: ENPM 808T.*

*Advanced topics in wireless communications for voice, data, and multimedia. Overview of current wireless systems and standards followed by characterizing the wireless channel, including path loss for different environments, random log-normal shadowing due to signal attenuation, and the flat and frequency-selective properties of multipath fading. Fundamental capacity limits of wireless channels and the characteristics of the capacity-achieving transmission strategies. Overview of wireless networks, including multiple and random access techniques, WLANs, cellular system design, and ad-hoc network design. Applications for these systems, including the evolution of cell phones and PDAs, smart homes and appliances, sensor networks, and automated highways and skyways.*

|      |                                     |                                   |
|------|-------------------------------------|-----------------------------------|
| 0101 | Kamran Etemad<br>Th 7:00pm - 9:40pm | Seats (Total: 17)<br>JMP 2120     |
| HT01 | Kamran Etemad<br>Th 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SG01 | Kamran Etemad<br>Th 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

|      |                    |                  |
|------|--------------------|------------------|
| SM01 | Kamran Etemad      | Seats (Total: 5) |
|      | Th 7:00pm - 9:40pm | Location: TBA    |

## ENPM620

### Computer Aided Engineering Analysis

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Permission of ENGR-Office of Advanced Engineering Education.*

*Computer assisted approach to the solution of engineering problems. Review and extension of undergraduate material in applied mathematics including linear algebra, vector calculus, differential equations, and probability and statistics.*

A laptop or Tablet PC is required for in-class use.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Gilad Sharon               | Seats (Total: 20) |
|      | M 7:00pm - 9:40pm          | JMP 2222          |
| HT01 | Gilad Sharon               | Seats (Total: 5)  |
|      | M 7:00pm - 9:40pm          | Location: TBA     |
| ME01 | Gilad Sharon               | Seats (Total: 20) |
|      | Class time/details on ELMs | ONLINE            |
| SG01 | Gilad Sharon               | Seats (Total: 5)  |
|      | M 7:00pm - 9:40pm          | Location: TBA     |
| SM01 | Gilad Sharon               | Seats (Total: 5)  |
|      | M 7:00pm - 9:40pm          | Location: TBA     |

## ENPM622

### Energy Conversion I - Stationary Power

Credits: 3      Grading Method: Regular,  
Audit

*Thermal engineering of modern power generation systems. Cycle analysis of various modern power generation technologies including gas turbine, combined cycle, waste burning and cogeneration. Energy storage and energy transport.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Patrick Caton     | Seats (Total: 30) |
|      | W 4:00pm - 6:40pm | JMP 2216          |

|      |   |                                   |
|------|---|-----------------------------------|
| DE01 | Patrick Caton<br>Class time/details on ELMs | Seats (Total: 5)<br>ONLINE        |
| HT01 | Patrick Caton<br>W 4:00pm - 6:40pm          | Seats (Total: 5)<br>Location: TBA |
| ME01 | Patrick Caton<br>Class time/details on ELMs | Seats (Total: 20)<br>ONLINE       |
| SG01 | Patrick Caton<br>W 4:00pm - 6:40pm          | Seats (Total: 5)<br>Location: TBA |
| SM01 | Patrick Caton<br>W 4:00pm - 6:40pm          | Seats (Total: 5)<br>Location: TBA |

#### ENPM624

(Perm req)

#### Renewable Energy Applications

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Knowledge of thermodynamics, fluid mechanics, and heat transfer; and permission of ENGR-Office of Advanced Engineering Education. Credit only granted for: ENPM624 or ENME701.*

*Thermodynamics and heat transfer of renewable energy sources for heating, power generation and transportation. Wind energy, solar thermal, photovoltaic, biomass, waste burning, and hydropower. Broad overview of the growing use of renewable energy sources in the world economy with detailed analysis of specific applications.*

|      |  |                                   |
|------|--|-----------------------------------|
| 0101 | Zachary Dunbar<br>M 4:00pm - 6:40pm          | Seats (Total: 20)<br>JMP 2222     |
| HT01 | Zachary Dunbar<br>M 4:00pm - 6:40pm          | Seats (Total: 5)<br>Location: TBA |
| ME01 | Zachary Dunbar<br>Class time/details on ELMs | Seats (Total: 20)<br>ONLINE       |
| SG01 | Zachary Dunbar<br>M 4:00pm - 6:40pm          | Seats (Total: 5)<br>Location: TBA |
| SM01 | Zachary Dunbar<br>M 4:00pm - 6:40pm          | Seats (Total: 5)<br>Location: TBA |

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**ENPM630      Fundamentals of Solid-Propellant Combustion**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: Previous coursework in combustion. Credit only granted for: ENPM808G or ENPM630. Formerly: ENPM808G.*

*Solid propellants are used in a variety of engineering applications, from space and defense (rocket motors, oxygen candles and gun powders) to safety applications (air bags, fire suppression, and emergency oxygen supplies). Both the design of new propellant systems, and the optimization of existing propellants for particular applications, requires knowledge of the complex thermochemical processes involved in the processing, handling, ignition, and combustion of these systems. This course aims to review historical and current developments in this field and provide students with an understanding of the fundamental physics and thermodynamics of solid propellant combustion.*

|      |                            |                   |
|------|----------------------------|-------------------|
| PE01 | Forrest Svingala           | Seats (Total: 20) |
|      | Class time/details on ELMs | ONLINE            |

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**ENPM641      Systems Concepts, Issues, and Processes**

(Perm req)

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: Permission of ENGR-Office of Advanced Engineering Education. Also offered as: ENSE621. Credit only granted for: ENPM641 or ENSE621.*

*An introduction to the professional and academic aspects of systems engineering. Topics include: systems engineering activities, opportunities and drivers; case studies of systems failures; models of system lifecycle development; introduction to model-based systems engineering; representations for system structure, system behavior, system interfaces and systems intergration; reactive (even-driven) systems, systems-of-systems, measures of system complexity; visual modeling of engineering systems with UML and SySML; simplified procedures for engineering optimization and tradeoff analysis. Software tools for visual modeling of systems with UML and SySML. Students will complete a project for the front-end development of an engineering system using ULM/SySML.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Tony Barber                | Seats (Total: 17) |
|      | M 7:00pm - 9:40pm          | JMP 2216          |
| 0201 | David Alldredge            | Seats (Total: 24) |
|      | M 7:00pm - 9:40pm          | EGR 1102          |
| DE01 | Tony Barber                | Seats (Total: 4)  |
|      | Class time/details on ELMs | ONLINE            |

|      |                                  |                                   |
|------|----------------------------------|-----------------------------------|
| HT01 | Tony Barber<br>M 7:00pm - 9:40pm | Seats (Total: 1)<br>Location: TBA |
| SG01 | Tony Barber<br>M 7:00pm - 9:40pm | Seats (Total: 1)<br>Location: TBA |
| SM01 | Tony Barber<br>M 7:00pm - 9:40pm | Seats (Total: 1)<br>Location: TBA |

### ENPM643

### Systems Projects, Validation and Verification

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ENSE622 or ENPM642; and permission of ENGR-Office of Advanced Engineering Education. Also offered as: ENSE623. Credit only granted for: ENPM642 or ENSE623.*

*This course builds on material covered in ENSE621/ENPM641 and ENSE622/ENPM642. Topics will cover established and emerging approaches to system validation and verification including; inspection, testing, and traceability; writing validation and verification plans; formal approaches to system validation and verification; specification-based testing; role of logic in system validation and verification; automation models of computation, timed automation; model-based design and model checking for reactive systems. Students will be introduced to software tools for specification-based testing, model-based testing, model-based design and model checking. Students will work in teams on semester-long projects in systems engineering design and formal approaches to system validation and verification.*

|      |   |                                   |
|------|---|-----------------------------------|
| 0101 | Matthew Forsbacka<br>Tu 7:00pm - 9:40pm         | Seats (Total: 25)<br>JMP 2222     |
| DE01 | Matthew Forsbacka<br>Class time/details on ELMs | Seats (Total: 1)<br>ONLINE        |
| HT01 | Matthew Forsbacka<br>Tu 7:00pm - 9:40pm         | Seats (Total: 1)<br>Location: TBA |
| SG01 | Matthew Forsbacka<br>Tu 7:00pm - 9:40pm         | Seats (Total: 1)<br>Location: TBA |
| SM01 | Matthew Forsbacka<br>Tu 7:00pm - 9:40pm         | Seats (Total: 3)<br>Location: TBA |

### ENPM646

### System Life Cycle Cost Analysis and Risk Management

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: Permission of ENGR-Office of Advanced Engineering Education. Also offered as: ENSE626. Credit only granted for: ENPM646 or ENSE626.*

*This course covers topics related to estimating the costs and risks incurred through the lifetimes of projects, products and systems. In addition, treatment is given to methods that determine the drivers of costs and risks and facilitate determination of the most effective alternatives to reducing them. Relevant analytic tools from probability and statistics and important managerial and organizational concepts. Extensive use is made of case studies from industry and government.*

Also offered as ENSE626.

|      |   |                                   |
|------|---|-----------------------------------|
| 0101 | Nidak Sumrean<br>W 7:00pm - 9:40pm          | Seats (Total: 30)<br>JMP 2222     |
| DE01 | Nidak Sumrean<br>Class time/details on ELMs | Seats (Total: 4)<br>ONLINE        |
| HT01 | Nidak Sumrean<br>W 7:00pm - 9:40pm          | Seats (Total: 1)<br>Location: TBA |
| SG01 | Nidak Sumrean<br>W 7:00pm - 9:40pm          | Seats (Total: 1)<br>Location: TBA |
| SM01 | Nidak Sumrean<br>W 7:00pm - 9:40pm          | Seats (Total: 1)<br>Location: TBA |

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## ENPM651

### Heat Transfer for Modern Application

Credits: 3                      Grading Method: Regular,  
Audit

*The applications selected will vary widely: from cooling of electronics to prevention of fog and stalagmite formation in ice rinks. Multi-mode (i.e. simultaneous conduction, convection, radiation, mass transfer) problems will be emphasized. Lectures on basic principles, followed by assignments in which students formulate solutions and explain results.*

|      |                                   |                                   |
|------|-----------------------------------|-----------------------------------|
| 0101 | Yunho Hwang<br>Tu 4:00pm - 6:40pm | Seats (Total: 20)<br>JMP 2222     |
| HT01 | Yunho Hwang<br>Tu 4:00pm - 6:40pm | Seats (Total: 5)<br>Location: TBA |

|      |                            |                   |
|------|----------------------------|-------------------|
| ME01 | Yunho Hwang                | Seats (Total: 20) |
|      | Class time/details on ELMs | ONLINE            |
| SG01 | Yunho Hwang                | Seats (Total: 5)  |
|      | Tu 4:00pm - 6:40pm         | Location: TBA     |
| SM01 | Yunho Hwang                | Seats (Total: 5)  |
|      | Tu 4:00pm - 6:40pm         | Location: TBA     |

## ENPM660

### Wind Energy Engineering

Credits: 3                      Grading Method: Regular,  
Audit

*Credit only granted for: ENPM808Q or ENPM660. Formerly: ENPM808Q.*

*An examination of four central topics in wind energy engineering: the nature of wind energy as a resource for generating electricity; the aerodynamics of wind turbines by which the wind energy is converted into mechanical energy; the mechanics and dynamics of the wind energy system (tower, rotor, hub, drive train, and generator); and the electrical aspects of wind turbines. Additional topics to be included in the course include: Wind turbine design; wind turbine control; wind turbine siting, system design, and integration; Wind energy system economics; and wind energy systems environmental impacts and aspects. The course is intended to pass along substantial subject matter knowledge and skills, it can only be treated as an introduction to this extensive, multidisciplinary topic. However, students are expected to emerge with a substantial knowledge of wind energy systems and the methods used to analyze such systems.*

|      |                            |                   |
|------|----------------------------|-------------------|
| ME01 | James Turso                | Seats (Total: 20) |
|      | Class time/details on ELMs | ONLINE            |

## ENPM662

### Introduction to Robot Modeling

Credits: 3                      Grading Method: Regular,  
Audit

*Credit only granted for: ENPM662 or ENPM808M. Formerly: ENPM808M.*

*This course introduces basic principles for modeling a robot. Most of the course is focused on modeling manipulators based on serial mechanisms. The course begins with a description of the homogenous transformation and rigid motions. It then introduces concepts related to kinematics, inverse kinematics, and Jacobians. This course then introduces Eulerian and Lagrangian Dynamics. Finally, the course concludes by introducing basic principles for modeling manipulators based on parallel mechanisms. The concepts introduced in this course are subsequently utilized in control and planning courses.*



|      |   |                                   |
|------|---|-----------------------------------|
| 0101 | William Levine<br>W 4:00pm - 6:40pm   | Seats (Total: 52)<br>JMP 2121     |
| FL01 | William Levine<br>W 4:00pm - 6:40pm<br><br><i>This section is for NAVAIR Cohort students located in Florida only.</i> | Seats (Total: 1)<br>Location: TBA |
| HT01 | William Levine<br>W 4:00pm - 6:40pm   | Seats (Total: 1)<br>Location: TBA |
| SG01 | William Levine<br>W 4:00pm - 6:40pm   | Seats (Total: 1)<br>Location: TBA |
| SM01 | William Levine<br>W 4:00pm - 6:40pm   | Seats (Total: 5)<br>Location: TBA |

## ENPM667

### Control of Robotic Systems

Credits: 3                      Grading Method: Regular,  
Audit

*Credit only granted for: ENPM667 or ENPM808Q. Formerly: ENPM808Q.*

*This is a basic course on the design of controllers for robotic systems. The course starts with mainstay principles of linear control, including a review of elementary concepts of systems, and discusses applications to independent joint control. The second part of the course introduces a physics-based approach to control design that uses energy and optimization principles to tackle the design of controllers that exploit the underlying dynamics of robotic systems. The course ends with an introduction to force control and basic principles of geometric control if time allows.*

|      |  |                                   |
|------|--|-----------------------------------|
| 0101 | Waseem Malik<br>Tu 7:00pm - 9:40pm   | Seats (Total: 60)<br>JMP 3201     |
| DE01 | Waseem Malik<br>Class time/details on ELMs   | Seats (Total: 10)<br>ONLINE       |
| FL01 | Waseem Malik<br>Tu 7:00pm - 9:40pm<br><br><i>This section is for NAVAIR Cohort students located in Florida only.</i> | Seats (Total: 5)<br>Location: TBA |
| HT01 | Waseem Malik<br>Tu 7:00pm - 9:40pm   | Seats (Total: 5)<br>Location: TBA |

|      |                                    |                                   |
|------|------------------------------------|-----------------------------------|
| SG01 | Waseem Malik<br>Tu 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | Waseem Malik<br>Tu 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

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## ENPM672 Fundamentals for Thermal Systems

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Undergraduate engineering, physics or chemistry degree. Restriction: Permission of ENGR-Office of Advanced Engineering Education.*

*Included in this course is an introduction to thermodynamics, fluid mechanics and heat transfer. Emphasis is on gaining an understanding of the physical concepts through the solving of numerical problems associated with simple thermal fluid processes and cycles. Both ideal gases and multiphase fluids will be considered as the working fluids.*

|      |   |                             |
|------|---|-----------------------------|
| ME01 | Kristen Hines<br>Class time/details on ELMs | Seats (Total: 25)<br>ONLINE |
|------|---|-----------------------------|

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## ENPM687 Digital Forensics and Incidence Responses

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Experience with both Windows and Unix-based operating systems, including using the command line. Credit only granted for: ENPM808P or ENPM687. Formerly: ENPM808P.*

*Students will implement a robust incident response methodology, including proper forensic handling of evidence, and cover legal aspects of national and international law regarding forensics. The bulk of the course covers evidence acquisition, preservation, analysis and reporting on multiple platforms.*

|      |   |                             |
|------|---|-----------------------------|
| CY01 | Kevin Shivers<br>Class time/details on ELMs | Seats (Total: 40)<br>ONLINE |
|------|---|-----------------------------|

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## ENPM691 Programming in C for Cybersecurity Applications

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ENEE150; or students who have taken courses with comparable content may contact the department.*

*Teaches the fundamentals of secure programming in C. An in depth discussion on various security vulnerabilities (e.g., buffer overflows) in C applications will be taught with hands-on demo of concepts during the class. Students will learn how a C program runs "under-the-hood". The course will teach nitty-gritty of C programs by analyzing at the assembly level. The course discusses best practices (e.g., coding standards) and design principles for secure programming so that security can be built-in during design time. In addition to assignments, students are required to present papers related to this course.*

|      |  |                                   |
|------|--|-----------------------------------|
| 0101 | Dharmalingam Ganesan<br>Th 7:00pm - 9:40pm         | Seats (Total: 50)<br>JMP 2121     |
| CY01 | Dharmalingam Ganesan<br>Class time/details on ELMs | Seats (Total: 20)<br>ONLINE       |
| HT01 | Dharmalingam Ganesan<br>Th 7:00pm - 9:40pm         | Seats (Total: 5)<br>Location: TBA |
| SG01 | Dharmalingam Ganesan<br>Th 7:00pm - 9:40pm         | Seats (Total: 5)<br>Location: TBA |
| SM01 | Dharmalingam Ganesan<br>Th 7:00pm - 9:40pm         | Seats (Total: 5)<br>Location: TBA |

## ENPM693

### Network Security

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: An operating systems and/or network protocol course or equivalent. Formerly: ENPM808N.*

*Introduction to various approaches to design; specify and verify security protocols used in large systems and networks; familiarization with some current technologies. Security threats and countermeasures, communication security and basic encryption techniques, authentication protocols, data confidentiality and integrity, analysis of cryptographic protocols, and access control in large systems and networks.*

|      |   |                                   |
|------|---|-----------------------------------|
| 0101 | Sohraab Soltani<br>M 4:00pm - 6:40pm          | Seats (Total: 52)<br>JMP 2121     |
| CY01 | Sohraab Soltani<br>Class time/details on ELMs | Seats (Total: 20)<br>ONLINE       |
| HT01 | Sohraab Soltani<br>M 4:00pm - 6:40pm          | Seats (Total: 5)<br>Location: TBA |

|      |                   |                  |
|------|-------------------|------------------|
| SG01 | Sohraab Soltani   | Seats (Total: 5) |
|      | M 4:00pm - 6:40pm | Location: TBA    |
| SM01 | Sohraab Soltani   | Seats (Total: 5) |
|      | M 4:00pm - 6:40pm | Location: TBA    |

## ENPM694

### Networks and Protocols

Credits: 3      Grading Method: Regular,  
Audit

*Credit only granted for: ENPM694 or ENPM808A. Formerly: ENPM808A.*

*Provides a deep understanding of TCP/IP protocol suit and routing in the internet. The course topics are: overview of TCP/IP, basics of IP protocol, basics of TCP protocol, Network Address Translation (NAT), Dynamic Host Configuration Protocol (DHCP), Internet Protocol Security (IPsec), Internet Control Message Protocol (ICMP), Simple Mail Transfer Protocol (SMTP), Domain Name Service (DNS), IPv6, Concepts of routing (Bellman-Ford and Dijkstra algorithms), Routing Information Protocol (RIP), Open Shortest Path First (OSPF), Interior Gateway Routing Protocol (IGRP), Enhance Gateway Routing Protocol (EIGRP), and Border Gateway Protocol (BGP).*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Sohraab Soltani            | Seats (Total: 60) |
|      | W 7:00pm - 9:40pm          | JMP 3201          |
| CY01 | Sohraab Soltani            | Seats (Total: 15) |
|      | Class time/details on ELMs | ONLINE            |
| HT01 | Sohraab Soltani            | Seats (Total: 1)  |
|      | W 7:00pm - 9:40pm          | Location: TBA     |
| SG01 | Sohraab Soltani            | Seats (Total: 1)  |
|      | W 7:00pm - 9:40pm          | Location: TBA     |
| SM01 | Sohraab Soltani            | Seats (Total: 1)  |
|      | W 7:00pm - 9:40pm          | Location: TBA     |

## ENPM696

### Reverse Software Engineering

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ENPM691 and CMSC106; or permission of instructor. And permission of ENGR-CDL-Office of Advanced Engineering Education. Credit only granted for: ENPM808F or ENPM696. Formerly: ENPM808F.*

*An in-depth understanding of software reverse engineering concepts and hands-on training with reverse engineering tools, including disassemblers, decompilers, and code analyzers. Students will become familiar with both low-level software and the x86 instruction set through binary reversing sessions. This course also provides insights into many subjects such as system security, source code analysis, software design, and program understanding that will be beneficial in a variety of fields.*

|      |  |                                   |
|------|--|-----------------------------------|
| 0101 | Allen Hazelton<br>Tu 7:00pm - 9:40pm         | Seats (Total: 30)<br>JMP 2121     |
| CY01 | Allen Hazelton<br>Class time/details on ELMs | Seats (Total: 20)<br>ONLINE       |
| HT01 | Allen Hazelton<br>Tu 7:00pm - 9:40pm         | Seats (Total: 5)<br>Location: TBA |
| SG01 | Allen Hazelton<br>Tu 7:00pm - 9:40pm         | Seats (Total: 5)<br>Location: TBA |
| SM01 | Allen Hazelton<br>Tu 7:00pm - 9:40pm         | Seats (Total: 5)<br>Location: TBA |

## ENPM808

### Advanced Topics in Engineering

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Audit

*Advanced topics selected by the faculty for students in the professional master of engineering program. May be taken for repeated credit when identified by topic title.*

|      |  |                   |
|------|--|-------------------|
| 0101 | George Syrmos<br>Contact instructor or department for details. | Seats (Total: 10) |
|------|--|-------------------|

## ENPM808D

### Advanced Topics in Engineering; Network System Design

Credits: 3

Grading Method: Regular,  
Audit

*Advanced topics selected by the faculty for students in the professional master of engineering program. May be taken for repeated credit when identified by topic title.*

|      |                                  |                               |
|------|----------------------------------|-------------------------------|
| 0101 | Ali Namazi<br>Tu 7:00pm - 9:40pm | Seats (Total: 17)<br>JMP 2120 |
|------|----------------------------------|-------------------------------|

|      |                                  |                                   |
|------|----------------------------------|-----------------------------------|
| HT01 | Ali Namazi<br>Tu 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SG01 | Ali Namazi<br>Tu 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | Ali Namazi<br>Tu 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

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## ENPM808F      **Advanced Topics in Engineering; Robot Learning**

Credits: 3                      Grading Method: Regular,  
   Audit

*Advanced topics selected by the faculty for students in the professional master of engineering program.  
May be taken for repeated credit when identified by topic title.*

Machine learning may be used to greatly expand the capabilities of robotic systems, and has been applied to a variety of robotic system functions including planning, control, and perception. This course will explore the application of machine learning techniques, paradigms, and control design to robotic systems, focusing primarily on key useful representations and model building techniques for application in non-stationary robotic systems.

|      |                                   |   |
|------|-----------------------------------|---|
| 0101 | Donald Sofge<br>M 7:00pm - 9:40pm | Seats (Total: 60)<br>JMP 3201   |
| FL01 | Donald Sofge<br>M 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA<br><br><i>This section is for NAVAIR Cohort students located in Florida only.</i> |
| HT01 | Donald Sofge<br>M 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA   |
| SG01 | Donald Sofge<br>M 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA   |
| SM01 | Donald Sofge<br>M 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA   |

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## ENPM808G      **Advanced Topics in Engineering; Additive Manufacturing for Aerospace, Energy and Water Applications**

Credits: 3                      Grading Method: Regular,  
Audit

*Advanced topics selected by the faculty for students in the professional master of engineering program.  
May be taken for repeated credit when identified by topic title.*

|      |   |                                   |
|------|---|-----------------------------------|
| 0101 | Farah Singer, Amir Shooshtari<br>Th 7:00pm - 9:40pm | Seats (Total: 20)<br>JMP 2222     |
| DE01 | Michael Ohadi<br>Class time/details on ELMs         | Seats (Total: 20)<br>ONLINE       |
| HT01 | Michael Ohadi<br>Th 7:00pm - 9:40pm                 | Seats (Total: 5)<br>Location: TBA |
| SG01 | Michael Ohadi<br>Th 7:00pm - 9:40pm                 | Seats (Total: 5)<br>Location: TBA |
| SM01 | Michael Ohadi<br>Th 7:00pm - 9:40pm                 | Seats (Total: 5)<br>Location: TBA |

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**ENPM808K      Advanced Topics in Engineering; Human Robot Interaction**

Credits: 3                      Grading Method: Regular,  
Audit

*Advanced topics selected by the faculty for students in the professional master of engineering program.  
May be taken for repeated credit when identified by topic title.*

|      |  |                                   |
|------|--|-----------------------------------|
| 0101 | Josef Schaff<br>Th 7:00pm - 9:40pm   | Seats (Total: 35)<br>JMP 3201     |
| FL01 | Josef Schaff<br>Th 7:00pm - 9:40pm<br><br><i>This section is for NAVAIR Cohort students located in Florida only.</i> | Seats (Total: 5)<br>Location: TBA |
| HT01 | Josef Schaff<br>Th 7:00pm - 9:40pm   | Seats (Total: 5)<br>Location: TBA |
| SG01 | Josef Schaff<br>Th 7:00pm - 9:40pm   | Seats (Total: 5)<br>Location: TBA |

|      |                    |                  |
|------|--------------------|------------------|
| SM01 | Josef Schaff       | Seats (Total: 5) |
|      | Th 7:00pm - 9:40pm | Location: TBA    |

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**ENPM808N      Advanced Topics in Engineering; Urban Stormwater Management**

Credits: 3                      Grading Method: Regular,  
   Audit

*Advanced topics selected by the faculty for students in the professional master of engineering program.  
May be taken for repeated credit when identified by topic title.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Houng Li                   | Seats (Total: 25) |
|      | Th 7:00pm - 9:40pm         | JMP 2217          |
| DE01 | Houng Li                   | Seats (Total: 5)  |
|      | Class time/details on ELMs | ONLINE            |
| HT01 | Houng Li                   | Seats (Total: 5)  |
|      | Th 7:00pm - 9:40pm         | Location: TBA     |
| SG01 | Houng Li                   | Seats (Total: 5)  |
|      | Th 7:00pm - 9:40pm         | Location: TBA     |
| SM01 | Houng Li                   | Seats (Total: 5)  |
|      | Th 7:00pm - 9:40pm         | Location: TBA     |

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**ENPM808Q      Advanced Topics in Engineering; Energy Policy**

Credits: 3                      Grading Method: Regular,  
   Audit

*Advanced topics selected by the faculty for students in the professional master of engineering program.  
May be taken for repeated credit when identified by topic title.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | John Taber                 | Seats (Total: 20) |
|      | Tu 7:00pm - 9:40pm         | JMP 2216          |
| DE01 | John Taber                 | Seats (Total: 20) |
|      | Class time/details on ELMs | ONLINE            |
| HT01 | John Taber                 | Seats (Total: 5)  |
|      | Tu 7:00pm - 9:40pm         | Location: TBA     |





*Advanced topics selected by the faculty for students in the professional master of engineering program. May be taken for repeated credit when identified by topic title.*

|      |                            |                   |
|------|----------------------------|-------------------|
| PE01 | Ruth Doherty               | Seats (Total: 20) |
|      | Class time/details on ELMs | ONLINE            |

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## **ENPM809A Special Topics in Engineering; Applied Cryptography**

Credits: 3                      Grading Method: Regular,  
Audit

*Special topics selected by the faculty for students in the professional master of engineering and graduate certificate in engineering program. May be taken for repeated credit when identified by topic title.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Jonathan Katz              | Seats (Total: 30) |
|      | Tu 4:00pm - 6:40pm         | JMP 2121          |
| CY01 | Jonathan Katz              | Seats (Total: 6)  |
|      | Class time/details on ELMs | ONLINE            |
| HT01 | Jonathan Katz              | Seats (Total: 1)  |
|      | Tu 4:00pm - 6:40pm         | Location: TBA     |
| SG01 | Jonathan Katz              | Seats (Total: 1)  |
|      | Tu 4:00pm - 6:40pm         | Location: TBA     |
| SM01 | Jonathan Katz              | Seats (Total: 1)  |
|      | Tu 4:00pm - 6:40pm         | Location: TBA     |

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## **ENPM809F Special Topics in Engineering; Innovative Reactor Design**

Credits: 3                      Grading Method: Regular,  
Audit

*Special topics selected by the faculty for students in the professional master of engineering and graduate certificate in engineering program. May be taken for repeated credit when identified by topic title.*

Formerly: ENPM808I.

|      |                            |                   |
|------|----------------------------|-------------------|
| NE01 | Matthew Forsbacka          | Seats (Total: 20) |
|      | Class time/details on ELMs | ONLINE            |

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**ENPP611**

## MEPP Scholarly Practicum

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must have Practicum Proposal approved by MEPP.*

*The scholarly practicum internship for MEPP students is intended to educate students in how engineering and public policy is practised in their MEPP specialization. The internship must last a minimum of 400 hours, and must be completed by the submission and approval of progress and completion reports. By undertaking the internship midway through the student's MEPP studies, the student can make use of MEPP studies completed, and use the experience in selection of subsequent MEPP course to maximize the educational opportunities of the MEPP program.*

|   |                |                  |
|---|----------------|------------------|
| 0101  | William Powers | Seats (Total: 8) |
| Contact instructor or department for details. |                |                  |

# ENRE

# Reliability Engineering

## Fall 2017

**ENRE489**

## Special Topics in Reliability Engineering

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Selected topics of current importance in reliability engineering.*

**Contact department for information to register for this course.**

**ENRE600**

## Fundamentals of Failure Mechanisms

Credits: 3      Grading Method: Regular, Audit

*Credit only granted for: ENMA698M, ENNU648M, or ENRE600.*

*Physical, chemical, and thermal related failures are introduced through a basic understanding of degradation mechanisms such as diffusion, electromigration, defects and defect migration. The failure mechanisms in basic material types will be taught. Failure mechanisms observed in real devices will also be presented. Problems related to manufacturing, and achieving quality and reliability will be analyzed. Mechanical failures are emphasized from the point of view of complex fatigue theory. The mathematical and statistical basis for analysis is presented as well as Failure Mode and Failure Analysis.*

Those sections that begin with a letter are taught via ITV and are not intended for College Park campus students.

|      |                                 |                   |
|------|---------------------------------|-------------------|
| 0101 | Thomas Martin, Aristos Christou | Seats (Total: 20) |
|      | M 1:00pm - 3:40pm               | JMP 2217          |

|      |  |                             |
|------|--|-----------------------------|
| ER01 | Aristos Christou, Thomas Martin<br>Class time/details on ELMs                    | Seats (Total: 20)<br>ONLINE |
| HT01 | Thomas Martin, Aristos Christou<br>Contact instructor or department for details. | Seats (Total: 5)            |
| RE01 | Aristos Christou, Thomas Martin<br>Contact instructor or department for details. | Seats (Total: 4)            |
| SM01 | Thomas Martin, Aristos Christou<br>Contact instructor or department for details. | Seats (Total: 5)            |

## ENRE602

### Reliability Analysis

Credits: 3                      Grading Method: Regular,  
Audit

*Principal methods of reliability analysis, including fault tree and reliability block diagrams; Failure Mode and Effects Analysis (FMEA); event tree construction and evaluation; reliability data collection and analysis; methods of modeling systems for reliability analysis. Focus on problems related to process industries, fossil-fueled power plant availability, and other systems of concern to engineers.*

Those sections that begin with a letter are taught via ITV and are not intended for College Park campus students.

|      |   |                                    |
|------|---|------------------------------------|
| 0101 | Katrina Groth<br>W 1:00pm - 3:40pm          | Seats (Total: 17)<br>JMP 2217      |
| ER01 | Katrina Groth<br>Class time/details on ELMs | Seats (Total: 25)<br>ONLINE        |
| HT01 | Katrina Groth<br>W 1:00pm - 3:40pm          | Seats (Total: 5)<br>Location: TBA  |
| RE01 | Katrina Groth<br>W 1:00pm - 3:40pm          | Seats (Total: 10)<br>Location: TBA |
| SG01 | Katrina Groth<br>W 1:00pm - 3:40pm          | Seats (Total: 5)<br>Location: TBA  |
| SM01 | Katrina Groth<br>W 1:00pm - 3:40pm          | Seats (Total: 5)<br>Location: TBA  |

**ENRE641****Probabilistic Physics of Failure and Accelerated Testing**

Credits: 3                      Grading Method: Regular,  
Audit

*Credit only granted for: ENRE641 or ENRE650. Formerly: ENRE650.*

*Models for life testing at constant stress. Graphical and analytical methods. Test plans for accelerated testing. Competing failure modes and size effects. Models and data analyses for step and time varying stresses. Optimizing of test plans.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Mohammad Modarres   | Seats (Total: 15) |
|      | Th 11:00am - 1:40pm | JMP 2217          |
| ER01 | Mohammad Modarres   | Seats (Total: 15) |
|      | Th 11:00am - 1:40pm | ONLINE            |
| HT01 | Mohammad Modarres   | Seats (Total: 5)  |
|      | Th 11:00am - 1:40pm | Location: TBA     |
| RE01 | Mohammad Modarres   | Seats (Total: 15) |
|      | Th 11:00am - 1:40pm | ONLINE            |
| SG01 | Mohammad Modarres   | Seats (Total: 5)  |
|      | Th 11:00am - 1:40pm | Location: TBA     |
| SM01 | Mohammad Modarres   | Seats (Total: 5)  |
|      | Th 11:00am - 1:40pm | Location: TBA     |

**ENRE648****Special Problems in Reliability Engineering**

(Perm req)

Credits: 1-6                      Grading Method: Regular,  
Audit

*For students who have definite plans for individual study of approved problems. Credit given according to extent of work.*

**Contact department for information to register for this course.**

**ENRE648B****Special Problems in Reliability Engineering; Life Cycle Cost and System Sustainment Analysis**

Credits: 1-6                      Grading Method: Regular,  
Audit

*For students who have definite plans for individual study of approved problems. Credit given according to extent of work.*

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Peter Sandborn<br>Tu 1:00pm - 3:40pm         | Seats (Total: 25)<br>JMP 2222 |
| ER01 | Peter Sandborn<br>Class time/details on ELMs | Seats (Total: 10)<br>ONLINE   |
| RE01 | Peter Sandborn<br>Class time/details on ELMs | Seats (Total: 10)<br>ONLINE   |

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**ENRE648J Special Problems in Reliability Engineering; Prognostics and Health Management**

Credits: 3                      Grading Method: Regular,  
   Audit

*For students who have definite plans for individual study of approved problems. Credit given according to extent of work.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Michael Pecht<br>M 9:30am - 12:10pm         | Seats (Total: 20)<br>JMP 2216 |
| ER01 | Michael Pecht<br>Class time/details on ELMs | Seats (Total: 10)<br>ONLINE   |
| RE01 | Michael Pecht<br>Class time/details on ELMs | Seats (Total: 10)<br>ONLINE   |

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**ENRE655 Advanced Methods in Reliability Modeling**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: ENRE602. Credit only granted for: ENRE655 or ENRE665. Formerly: ENRE665.*

*Bayesian methods and applications, estimation of rare event frequencies uncertainty analysis and propagation methods, reliability analysis of dynamic systems, analysis of dependent failures, reliability of repairable systems, human reliability analysis methods and theory of logic diagrams and application to systems reliability.*

**Contact department for information to register for this course.**

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**ENRE670 Probabilistic Risk Assessment**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: ENRE602. Also offered as: ENNU651. Credit only granted for: ENNU651 or ENRE670.*

*Why study risk, sources of risk, overview of Risk Assessment and Risk Management, relation to System Safety and Reliability Engineering; measures, representation, communication, and perception of risk; overview of use of risk assessment results in decision making; overview of Probabilistic Risk Assessment (PRA) process; detailed converge of PRA methods including (1) methods for risk scenario development such as identification of initiators, event sequence diagrams, event trees, causal modeling (fault trees, influence diagrams, and hybrid methods), and simulation approaches; (2) methods of risk scenario likelihood assessment, including quantitative and qualitative approaches, as well as uncertainty modeling and analysis. Also covers methods for risk modeling of system hardware behavior, physical phenomena, human behavior, software behavior, organizational environment, and external physical environment. Additional core topics include risk model integration and quantification (Boolean-based, binary decision diagram, Bayesian belief networks, and hybrid methods), simulation-based Dynamic PRA methods (discrete and continuous) and several examples of large scale PRAs for space missions, nuclear power, aviation and medical systems.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Mohammad Modarres<br>Th 3:00pm - 5:40pm | Seats (Total: 17)<br>JMP 2222 |
| ER01 | Mohammad Modarres<br>Th 3:00pm - 5:40pm | Seats (Total: 10)<br>ONLINE   |
| RE01 | Mohammad Modarres<br>Th 3:00pm - 5:40pm | Seats (Total: 10)<br>ONLINE   |

## ENRE684

### Information Security

Credits: 3                      Grading Method: Regular,  
Audit

*Also offered as: ENME442. Credit only granted for: ENME442, ENRE648J, or ENRE684. Formerly: ENRE648J.*

*This course is divided into three major components: overview, detailed concepts and implementation techniques. The topics to be covered are: general security concerns and concepts from both a technical and management point of view, principles of security, architectures, access control and multi-level security, trojan horses, covert channels, trap doors, hardware security mechanism, security models, security kernels, formal specifications and verification, networks and distribution systems and risk analysis.*

|      |  |                              |
|------|--|------------------------------|
| 0101 | Michel Cukier<br>TuTh 9:30am - 10:45am                         | Seats (Total: 5)<br>JMP 2222 |
| ER01 | Michel Cukier<br>Contact instructor or department for details. | Seats (Total: 10)            |

|   |               |                  |
|---|---------------|------------------|
| RE01  | Michel Cukier | Seats (Total: 5) |
| Contact instructor or department for details. |               |                  |

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**ENRE799 Master's Thesis Research**

Credits: 1-6      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**ENRE898 Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**ENRE899 Doctoral Dissertation Research**

(Perm req)      Credits: 6      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**ENSE Systems Engineering Fall 2017**

**ENSE621 Systems Concepts, Issues, and Processes**

(Perm req)      Credits: 3      Grading Method: Regular, Audit

*Restriction: Permission of ENGR-Institute for Systems Research. Also offered as: ENPM641. Credit only granted for: ENPM641 or ENSE621.*

*An introduction to the professional and academic aspects of systems engineering. Topics include: systems engineering activities, opportunities and drivers; case studies of systems failures; models of system lifecycle development; introduction to model-based systems engineering; representations for system structure, system behavior, system interfaces and systems intergration; reactive (even-driven) systems, systems-of-systems, measures of system complexity; visual modeling of engineering systems with UML and SySML; simplified procedures for engineering optimization and tradeoff analysis. Software tools for visual modeling of systems with UML and SySML. Students will complete a project for the front-end development of an engineering system using ULM/SySML.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Tony Barber       | Seats (Total: 17) |
|      | M 7:00pm - 9:40pm | JMP 2216          |
| 0201 | David Alldredge   | Seats (Total: 24) |
|      | M 7:00pm - 9:40pm | EGR 1102          |



|      |   |                                   |
|------|---|-----------------------------------|
| DE01 | Tony Barber<br>Class time/details on ELMs | Seats (Total: 4)<br>ONLINE        |
| HT01 | Tony Barber<br>M 7:00pm - 9:40pm          | Seats (Total: 1)<br>Location: TBA |
| SG01 | Tony Barber<br>M 7:00pm - 9:40pm          | Seats (Total: 1)<br>Location: TBA |
| SM01 | Tony Barber<br>M 7:00pm - 9:40pm          | Seats (Total: 1)<br>Location: TBA |

### ENSE623 Systems Projects, Validation and Verification

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ENSE622 and ENPM642; and permission of ENGR-Institute for Systems Research. Also offered as: ENPM643. Credit only granted for: ENPM643, ENSE610, or ENSE623.*

*This course builds on material covered in ENSE621/ENPM641 and ENSE622/ENPM642. Topics will cover established and emerging approaches to system validation and verification including; inspection, testing, and traceability; writing validation and verification plans; formal approaches to system validation and verification; specification-based testing; role of logic in system validation and verification; automation models of computation, timed automation; model-based design and model checking for reactive systems. Students will be introduced to software tools for specification-based testing, model-based testing, model-based design and model checking. Students will work in teams on semester-long projects in systems engineering design and formal approaches to system validation and verification.*

|      |   |                                   |
|------|---|-----------------------------------|
| 0101 | Matthew Forsbacka<br>Tu 7:00pm - 9:40pm | Seats (Total: 25)<br>JMP 2222     |
| HT01 | Matthew Forsbacka<br>Tu 7:00pm - 9:40pm | Seats (Total: 1)<br>Location: TBA |
| SG01 | Matthew Forsbacka<br>Tu 7:00pm - 9:40pm | Seats (Total: 1)<br>Location: TBA |
| SM01 | Matthew Forsbacka<br>Tu 7:00pm - 9:40pm | Seats (Total: 3)<br>Location: TBA |

### ENSE626 System Life Cycle Analysis and Risk Management

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: Permission of ENGR-Institute for Systems Research. Also offered as: ENPM646.*

*This course covers topics related to estimating the costs and risks incurred through the lifetimes of projects, products and systems. In addition, treatment is given to methods that determine the drivers of costs and risks and facilitate determination of the most effective alternatives to reducing them. Also covered, are relevant analytic tools from probability and statistics and also important managerial and organizational concepts. Extensive use is made of case studies and examples from industry and government.*

|      |   |                                   |
|------|---|-----------------------------------|
| 0101 | Nidak Sumrean<br>W 7:00pm - 9:40pm          | Seats (Total: 30)<br>JMP 2222     |
| DE01 | Nidak Sumrean<br>Class time/details on ELMs | Seats (Total: 4)<br>ONLINE        |
| HT01 | Nidak Sumrean<br>W 7:00pm - 9:40pm          | Seats (Total: 1)<br>Location: TBA |
| SG01 | Nidak Sumrean<br>W 7:00pm - 9:40pm          | Seats (Total: 1)<br>Location: TBA |
| SM01 | Nidak Sumrean<br>W 7:00pm - 9:40pm          | Seats (Total: 1)<br>Location: TBA |

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**ENSE699****Directed Study in Systems Engineering**

(Perm req)

Credits: 1-3

Grading Method: Sat-Fail

*Directed study in Systems Engineering.*

**Contact department for information to register for this course.**

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**ENSE799****Systems Engineering Thesis; Masters Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular

*The application of systems engineering concepts, principles, and theories will be applied to the Master's Thesis project. Project/thesis work will be defined and selected early in student's program and supervised by a university faculty mentor.*

**Contact department for information to register for this course.**

**ENSP101****Introduction to Environmental Science**

Credits: 3

Grading Method: Regular

CORE: PS

General Education: DSNS

*One of two required courses that introduce students to the topics studied and methods employed in environmental science and policy. Emphasis on scientific ways of knowing; the systems, cycles, flows, and interfaces that characterize the atmosphere, lithosphere, hydrosphere, and biosphere; the analysis of human impacts on these systems; and the nature of scientific uncertainty and methods of quantifying environmental processes.*

|   |  |   |            |
|---|--|---|------------|
| 0101  | Annette Spivy<br>TuTh 11:00am - 12:15pm<br>Th 2:00pm - 2:50pm  | Seats (Total: 25)<br>ESJ 0202<br>MTH 0104 | Discussion |
| 0102  | Annette Spivy<br>TuTh 11:00am - 12:15pm<br>F 10:00am - 10:50am | Seats (Total: 24)<br>ESJ 0202<br>PLS 1146 | Discussion |
| 0103  | Annette Spivy<br>TuTh 11:00am - 12:15pm<br>F 1:00pm - 1:50pm   | Seats (Total: 24)<br>ESJ 0202<br>SYM 0215 | Discussion |
| 0104  | Annette Spivy<br>TuTh 11:00am - 12:15pm<br>F 1:00pm - 1:50pm   | Seats (Total: 24)<br>ESJ 0202<br>PLS 1119 | Discussion |
| 0105  | Annette Spivy<br>TuTh 11:00am - 12:15pm<br>Th 2:00pm - 2:50pm  | Seats (Total: 25)<br>ESJ 0202<br>EGR 1102 | Discussion |
| 0106  | Annette Spivy<br>TuTh 11:00am - 12:15pm<br>F 10:00am - 10:50am | Seats (Total: 24)<br>ESJ 0202<br>CHE 2145 | Discussion |
| 0107  | Annette Spivy<br>TuTh 11:00am - 12:15pm<br>Th 2:00pm - 2:50pm  | Seats (Total: 24)<br>ESJ 0202<br>EGR 2116 | Discussion |
| FC01  | Annette Spivy<br>TuTh 3:00pm - 4:15pm                          | Seats (Total: 29)<br>EGR 2116             |            |
| <i>Restricted to students in Freshmen Connection.</i> |  |   |            |

**ENSP330****Introduction to Environmental Law**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Permission of AGNR-Dean-Environmental Science & Policy Program. Recommended: ENSP101; and ENSP102. Restriction: Junior standing or higher. Credit only granted for: ENSP330 or ENSP399A. Formerly: ENSP399A.*

*An overview of environmental law, from its common law roots to its role in the modern regulatory state, including an examination of major federal environment statutes and the policy debates inherent in them. Other areas covered include civil and criminal enforcement, standing to sue, land use control, and regulatory takings.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Joanna Goger           | Seats (Total: 35) |
|      | TuTh 11:00am - 12:15pm | EGR 2154          |

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### **ENSP340**

#### **Water: Science, Ethics, and Policy**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENSP101 and ENSP102. Restriction: Must have earned a minimum of 60 credits; and permission of instructor. Credit only granted for: ENSP340 or ENSP399B. Formerly: ENSP399B.*

*Exploration of the science, policy, and ethical aspects of water resource protection and management. Focus on water pollution, water availability, ecosystems, and sustainability*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Joanna Goger          | Seats (Total: 25) |
|      | TuTh 9:30am - 10:45am | SYM 0215          |

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### **ENSP386**

#### **Internship**

(Perm req)

Credits: 3-6      Grading Method: Regular

*Restriction: Must have internship proposal approved by the concentration advisor, the director of ENSP and the student's internship sponsor.*

**Contact department for information to register for this course.**

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### **ENSP399**

#### **Special Topics in Environmental Science and Policy**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*A substantive and specialized examination of contemporary issues in environmental science or policy.*

**Contact department for information to register for this course.**

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**ENSP399E****Special Topics in Environmental Science and Policy; The Role of Evidence-based Environmental Advocacy in Environmental Politics**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*A substantive and specialized examination of contemporary issues in environmental science or policy.*

In this course, students will explore the avenues of advocacy, and identify sound sources on which to base opinions and arguments in environmental policy. Through a discussion-based class, advocacy will be explored in the areas of deforestation, climate change, and water quality. Students will analyze cases in the environmental movements of effective and ineffective advocacy, hear from a number of guest speakers who are experts in the above topics, and hold discussions on current events related to these topics.

|      |   |                   |
|------|---|-------------------|
| 0101 | Joanna Goger, Margaret Houlihan, Camilla<br>Arias | Seats (Total: 15) |
|      | Th 12:30pm - 1:20pm                               | PLS 1129          |

**ENSP399R****Special Topics in Environmental Science and Policy; Research**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*A substantive and specialized examination of contemporary issues in environmental science or policy.*

|      |   |                   |
|------|---|-------------------|
| 1001 | Jennifer Murrow                               | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

**ENSP400****Capstone in Environmental Science and Policy**

(Perm req)

Credits: 3                      Grading Method: Regular                      CORE: CS                      General Education: DSSP

*Prerequisite: ENSP101; and ENSP102. Restriction: Senior standing; or permission of the Director of ENSP. And must be in Environmental Science and Policy program.*

*Integration of physical, biological, and social sciences with applications to environmental science and policy. Problem-solving and multi-disciplinary case study evaluations pertinent to contemporary and future issues related to the environment.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Rachel Lamb           | Seats (Total: 50) |
|      | TuTh 12:30pm - 1:45pm | SPH 1302          |

**ENSP499****Honors Thesis Research**

Credits: 1-6                      Grading Method: Regular

*Individual research, thesis, and oral defense. The research project will be conducted under the supervision of a faculty member.*

**Contact department for information to register for this course.**

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## ENST Environmental Science and Technology Fall 2017

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### ENST100 International Crop Production-Issues and Challenges in the 21st Century

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: LS

*Credit only granted for: ENST100 or NRSC100. Formerly: NRSC100.*

*Examines the role of crop production in elevating humans out of poverty in developing countries. It will introduce students to the basic principles of plant and soil science underlying the international production of food crops and world food security. The role of multinational agencies such as the World Bank in the promotion of sustainable crop production using environmentally-sound technologies will also be discussed.*

|      |                                     |                   |
|------|-------------------------------------|-------------------|
| 0101 | Jose-Luis Izursa, Prabahkar Tamboli | Seats (Total: 38) |
|      | TuTh 12:30pm - 1:45pm               | ANS 0422          |

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### ENST200 Fundamentals of Soil Science

Credits: 4      Grading Method: Regular, Pass-Fail, Audit      CORE: LL      General Education: DSNL

*Corequisite: CHEM131 and CHEM132; or permission of AGNR-Environmental Science & Technology department. Credit only granted for: ENST200 or NRSC200. Formerly: NRSC200.*

*Study and management of soils as natural bodies, media for plant growth and ecosystem components. Morphology, composition, formation, and conservation of soils. Chemical, biological, and physical properties are discussed in relation to the production of plants, the functioning of hydrologic and nutrient cycles, the protection of environmental quality, and engineering uses of soils.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Raymond Weil         | Seats (Total: 25) |
|      | TuTh 3:30pm - 4:45pm | HJP 0226          |
|      | Tu 5:00pm - 7:50pm   | HJP 0210      Lab |
| 0102 | Raymond Weil         | Seats (Total: 25) |
|      | TuTh 3:30pm - 4:45pm | HJP 0226          |
|      | W 5:00pm - 7:50pm    | HJP 0210      Lab |

|      |   |   |     |
|------|---|---|-----|
| 0103 | Raymond Weil<br>TuTh 3:30pm - 4:45pm<br>Th 5:00pm - 7:50pm  | Seats (Total: 25)<br>HJP 0226<br>HJP 0210 | Lab |
| 0104 | Raymond Weil<br>TuTh 3:30pm - 4:45pm<br>Tu 9:30am - 12:20pm | Seats (Total: 25)<br>HJP 0226<br>HJP 0210 | Lab |
| 0105 | Raymond Weil<br>TuTh 3:30pm - 4:45pm<br>W 9:00am - 11:50am  | Seats (Total: 25)<br>HJP 0226<br>HJP 0210 | Lab |
| 0106 | Raymond Weil<br>TuTh 3:30pm - 4:45pm<br>Th 9:30am - 12:20pm | Seats (Total: 25)<br>HJP 0226<br>HJP 0210 | Lab |

## ENST233

### Introduction to Environmental Health

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSNS

*How humans are affected by the quality of our air, water, soil, and food supply as well as how human activities altered these survival necessities are examined. Students will learn how the evolution and prosperity of human populations have resulted in degradation of our environment and the impact of environmental degradation on the health of people.*

|      |  |   |            |
|------|--|---|------------|
| 0101 | Lance Yonkos<br>TuTh 9:30am - 10:45am<br>W 1:00pm - 1:50pm | Seats (Total: 40)<br>ANS 0408<br>ANS 0422 | Discussion |
| 0102 | Lance Yonkos<br>TuTh 9:30am - 10:45am<br>W 2:00pm - 2:50pm | Seats (Total: 40)<br>ANS 0408<br>ANS 0422 | Discussion |

## ENST281

### Computer Aided Design in Ecology

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in Environmental Sci & Tech program.*

*Basics of Computer Aided Drawing (CAD) applied to design of constructed ecosystems. Introduction to dynamic ecosystem modeling with iconographic simulation software. Course will spend 6 weeks on CAD and 8 weeks on modeling. Use of campus stormwater wetland as case study.*

|      |                                |                   |     |
|------|--------------------------------|-------------------|-----|
| 0101 | David Tilley, Jose-Luis Izursa | Seats (Total: 20) |     |
|      | M 2:00pm - 2:50pm              | ANS 0422          |     |
|      | M 5:00pm - 8:00pm              | ANS 0509          | Lab |
| 0102 | Jose-Luis Izursa, David Tilley | Seats (Total: 20) |     |
|      | M 2:00pm - 2:50pm              | ANS 0422          |     |
|      | Tu 5:00pm - 8:00pm             | ANS 0509          | Lab |

### ENST301

#### Field Soil Morphology I

(Perm req)

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of AGNR-Environmental Science & Technology department. Formerly: ENST308.*

*This is a field-oriented course that introduces students to the techniques used to (1) describe soil morphology, and site and profile characteristics, (2) make land use interpretations based on soil characteristics, and (3) classify soils. This class is designed to prepare students for the Regional Collegiate Soil Judging Contest and for students to gain experience in the description and interpretation of soils in the field.*

|      |   |                  |
|------|---|------------------|
| 0101 | Brian Needelman                               | Seats (Total: 7) |
|      | Contact instructor or department for details. |                  |

### ENST302

#### Field Soil Morphology II

(Perm req)

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENST301. Restriction: Permission of AGNR-Environmental Science & Technology department. Formerly: ENST308.*

*This is the second field-oriented course in a three course sequence that provides intermediate training for students in the techniques used to (1) describe soil morphology, and site and profile characteristics, (2) make land use interpretations based on soil characteristics, and (3) classify soils. This class is designed to prepare students for the Regional Collegiate Soil Judging Contest and for students to gain experience in the description and interpretation of soils in the field.*

|      |   |                  |
|------|---|------------------|
| 0101 | Brian Needelman                               | Seats (Total: 7) |
|      | Contact instructor or department for details. |                  |

### ENST303

#### Field Soil Morphology III

(Perm req)

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit



*Prerequisite: ENST302. Restriction: Permission of AGNR-Environmental Science & Technology department. Formerly: ENST308.*

*This is the third field-oriented course in a three course sequence that provides intermediate training for students in the techniques used to (1) describe soil morphology, and site and profile characteristics, (2) make land use interpretations based on soil characteristics, and (3) classify soils. This class is designed to prepare students for the Regional Collegiate Soil Judging Contest and for students to gain experience in the description and interpretation of soils in the field.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Brian Needelman                               | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |

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### **ENST333      Ecosystem Health and Protection**

Credits: 3                      Grading Method: Regular,  
   Pass-Fail, Audit

*Prerequisite: ENST233. Restriction: Must be in one of the following programs (Environmental Sci & Tech: Ecological Tech Design; Environmental Sci & Tech: Environmental Health; Environmental Sci & Tech: Soil & Watershed Science; Environmental Sci & Tech: Natural Resources Mgmt; Environmental Sci & Tech). Credit only granted for: ENST499A or ENST333. Formerly: ENST499A.*

*Discussion of the philosophies, principles, and practices for assessing ecosystem health with emphasis on an ecosystem perspective rather than a human health perspective. Degradation associated with human activities will be emphasized. Topics will range from local to regional to global issues, including a discussion on global warming and its possible impacts on ecosystems. Concepts will be clarified using case histories from the Chesapeake Bay watershed.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Daniel Fisher          | Seats (Total: 45) |
|      | TuTh 11:00am - 12:15pm | HBK 0109          |

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### **ENST360      Ecosystem Ecology**

Credits: 4                      Grading Method: Regular,  
   Pass-Fail, Audit

*Prerequisite: BSCI160 and BSCI161; or BSCI106. Restriction: Must be in one of the following programs (Environmental Sci & Tech: Ecological Tech Design; Environmental Sci & Tech: Environmental Health; Environmental Sci & Tech: Soil & Watershed Science; Environmental Sci & Tech: Natural Resources Mgmt; Environmental Sci & Tech).*

*The study of ecology has a long and interesting history, from early society's efforts to understand and alter their environment as a matter of survival to the challenges the modern world is facing that are global in scale. Through the course text, distributed supplemental chapter readings and an understanding of the scientific literature, this course will cover the essential concepts and principles of ecosystem ecology as well as its history and past and present controversies. Several of the basic methods and tools of field research and the applied management of ecosystems will be discussed and demonstrated with several field excursions in the natural environs of the DC area. Central to this course will be the understanding that modern human society is an integral part of nature, with the power to impact and influence elements of the natural world at multiple scales. An analysis of policy implications for the biosphere will be discussed.*

The study of ecology has a long and interesting history, from early society's efforts to understand and alter their environment as a matter of survival to the challenges the modern world is facing that are global in scale. Through the course text, distributed supplemental chapter readings and an understanding of the scientific literature, this course will cover the essential concepts and principles of ecosystem ecology as well as its history and past and present controversies. Several of the basic methods and tools of field research and the applied management of ecosystems will be discussed and demonstrated with several field excursions in the natural environs of the DC area. Central to this course will be the understanding that modern human society is an integral part of nature, with the power to impact and influence elements of the natural world at multiple scales. An analysis of policy implications for the biosphere will be discussed.

|      |                          |                   |            |
|------|--------------------------|-------------------|------------|
| 0101 | Mitchell Pavao-Zuckerman | Seats (Total: 35) |            |
|      | MWF 12:00pm - 12:50pm    | KEB 1200          |            |
|      | M 1:00pm - 1:50pm        | HJP 2242          | Discussion |
| 0102 | Mitchell Pavao-Zuckerman | Seats (Total: 35) |            |
|      | MWF 12:00pm - 12:50pm    | KEB 1200          |            |
|      | W 1:00pm - 1:50pm        | EGR 1104          | Discussion |

### ENST373 Natural History of the Chesapeake Bay

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Also offered as: BSCI373. Credit only granted for: BSCI373, ENST373, or ENST499G. Formerly: ENST499G.*

*Consideration of the major groups of organisms associated with the Chesapeake Bay and current issues that determine humans' present and future uses for the Chesapeake and its biota.*

|      |                     |                   |  |
|------|---------------------|-------------------|--|
| 0101 | Patrick Kangas      | Seats (Total: 80) |  |
|      | MWF 3:00pm - 3:50pm | ANS 0408          |  |

### ENST388 Honors Thesis Research

Credits: 3-6                      Grading Method: Regular,  
Pass-Fail, Audit

*Undergraduate honors thesis research conducted under the direction of an AGNR faculty member in partial fulfillment of the requirements of the College of AGNR Honors Program. The thesis will be defended to a faculty committee.*

|   |                   |                  |
|---|-------------------|------------------|
| 2201  | Martin Rabenhorst | Seats (Total: 1) |
| Contact instructor or department for details. |                   |                  |
| 2905  | Stephanie Yarwood | Seats (Total: 1) |
| Contact instructor or department for details. |                   |                  |

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**ENST389                      Internship**

(Perm req)

Credits: 3                      Grading Method: Sat-Fail

*Credit will be granted for practical work carried out by students place in work environment related to their stated career goals. Students must do an in-depth study in some portion of the work experience and produce a special project or report related to this study. A student work log is also recommended. An evaluation from the external supervisor of the project will be required. Credit arranged with supervising faculty member.*

|   |                |                   |
|---|----------------|-------------------|
| 0101  | Patrick Kangas | Seats (Total: 50) |
| Contact instructor or department for details. |                |                   |

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**ENST404                      Ecological and Natural Resources Ethics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENST214 and ENST360. Recommended: ENST314, ENST410, and ENST460. Restriction: Senior standing or higher. Also offered as: ENST604. Credit only granted for: ENST604 or ENST404.*

*Bridges science and management with ethical theory and concepts to help scientists, regulators, and managers understand how to deal with potential ethical dilemmas that arise in natural resource and environmental management implementation and policy development.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Reginal Harrell        | Seats (Total: 30) |
|      | TuTh 11:00am - 12:15pm | ANS 0422          |

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**ENST410                      Ecosystem Services: An Integrated Analysis**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENST360 or BSCI361; or permission of instructor. Restriction: Must be in one of the following programs (Environmental Sci & Tech: Ecological Tech Design; Environmental Sci & Tech; Environmental Sci & Tech: Natural Resources Mgmt; Environmental Sci & Tech: Soil & Watershed Science; Environmental Sci & Tech: Environmental Health).*

*The importance of our ecosystems and the services they provide will be discussed. Basic principles used to analyze ecosystem services will be discussed and applied using case studies & field exercises. Forestland, wetlands and our marine resources are increasingly recognized for their ecosystem services provided to society, to include clean air and water, wildlife habitat, biodiversity, carbon storage and pollination services. This course will prepare students to deal with the complex issues involved in understanding those and other ecosystem services and their importance to society and environmental sustainability. Slowly, new markets are emerging for these services. Students will analyze the ecological, policy and financial dimensions of enhancing, restoring, and sustaining ecosystem services. New and on-going government programs and private business ventures will be discussed.*

|      |                                  |                   |
|------|----------------------------------|-------------------|
| 0101 | Christine Conn, Elliott Campbell | Seats (Total: 70) |
|      | TuTh 5:00pm - 6:15pm             | EGR 0108          |

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#### **ENST411 Principles of Soil Fertility**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENST200; or students who have taken courses with comparable content may contact the department. Also offered as: ENST611. Credit only granted for: ENST411 or NRSC411. Formerly: NRSC411.*

*Soil factors affecting plant growth and quality with emphasis on the bio-availability of mineral nutrients. The management of soil systems to enhance plant growth by means of crop rotations, microbial activities, and use of organic and inorganic amendments.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Raymond Weil          | Seats (Total: 15) |
|      | TuTh 12:30pm - 1:45pm | ANS 1420          |

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#### **ENST414 Soil Morphology, Genesis and Classification**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENST200. Credit only granted for: ENST414 or NRSC414. Formerly: NRSC414.*

*Processes and factors of soil genesis. Taxonomy of soils of the world by U.S. System. Soil morphological characteristics, composition, classification, survey and field trips to examine and describe soils.*

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0101 | Brian Needelman       | Seats (Total: 20) |     |
|      | MWF 10:00am - 10:50am | ATL 2416          |     |
|      | M 2:00pm - 5:00pm     | HJP 0210          | Lab |

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## ENST415 Renewable Energy

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHEM131, PHYS121, and MATH113; or permission of AGNR-Environmental Science & Technology department. Restriction: Must be in a major within AGNR-Environmental Science & Technology department.*

*An overview of renewable energy technologies and their current applications. Emphasis will be placed on technological readiness, efficiency and sustainability of renewable energy alternatives. Technologies include solar thermal, photovoltaics, biodiesel, ethanol, anaerobic digestion, wind, hydroelectric, and microbial fuel cells.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Stephanie Lansing     | Seats (Total: 40) |
|      | MWF 11:00am - 11:50am | ANS 0422          |

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## ENST417 Soil Hydrology and Physics

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENST200; and (MATH113 or MATH115). Or permission of instructor. Credit only granted for: ENST417 or NRSC417. Formerly: NRSC417.*

*A study of soil water interactions: the hydrologic cycle; the unique properties of water and soil; the soil components and their interactions; the field water cycle; transport processes involving water, heat and solutes; human effects on soil and groundwater; as well as the measurement, prediction, and control of the physical processes taking place in and through the soil.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Robert Hill            | Seats (Total: 35) |
|      | TuTh 11:00am - 12:15pm | JMP 1202          |

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## ENST422 Soil Microbial Ecology

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENST200; or 1 course in BCHM; or must have completed a course in microbiology; or students who have taken courses with comparable content may contact the department. Also offered as: ENST622. Credit only granted for: ENST422 or NRSC422. Formerly: NRSC422.*

*The interdisciplinary study of soil microorganisms and their interactions with the mineral matrix; resulting in processes such as nutrient cycling, decontamination, and natural product production. We will focus on the diversity of soil communities, their survival strategies, and the new strategies used to study these communities.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Stephanie Yarwood    | Seats (Total: 25) |
|      | TuTh 2:00pm - 3:15pm | SPH 0305          |

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#### **ENST434 Toxic Contaminants: Sources, Fate, and Effects**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENST333 and ENST334.*

*Study of the release to the environment, transport through natural compartments, persistence and ultimate fate of various classes of contaminants produced as a result of human activities. Topics will culminate in discussions of impacts to wildlife and human health. Students should emerge with a practical appreciation of the actual risks from exposure to a variety of environmental contaminants and an understanding of the environmental and human health implications of continuing the contaminating activities.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Lance Yonkos      | Seats (Total: 25) |
|      | M 4:00pm - 6:45pm | ANS 0422          |

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#### **ENST450 Wetland Ecology**

Credits: 3                      Grading Method: Regular

*Prerequisite: BIOM301; or permission of AGNR-Environmental Science & Technology department. Also offered as: ENST650. Credit only granted for: ENST450, NRMT450, or MEES650. Formerly: NRMT450.*

*Plant and animal communities, biogeochemistry, and ecosystem properties of wetlands. Lectures are supplemented by weekend or Friday field trips (1-3 days total during the semester) and in-class labs that emphasize collection and analysis of field data on wetland vegetation, soil, and hydrology. Wading boots (at least hip length) are strongly recommended.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Christine Maietta    | Seats (Total: 28) |
|      | TuTh 2:00pm - 3:15pm | ANS 0412          |

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#### **ENST460 Principles of Wildlife Management**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have completed two semesters of biology laboratory; and (ENST360; or BSCI361). Or permission of AGNR-Environmental Science & Technology department. Credit only granted for: ENST460 or NRMT460. Formerly: NRMT460.*

*Ecological principles and requirements of wildlife as basis for management, and introduction to the scientific literature. Conflicts in wildlife management, government administration of wildlife resources, legislation, and history of the wildlife management profession.*

|      |                                |                   |
|------|--------------------------------|-------------------|
| 0101 | Jennifer Murrow, Annette Spivy | Seats (Total: 40) |
|      | TuTh 12:30pm - 1:45pm          | ANS 0412          |

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### **ENST461      Urban Wildlife Management**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: ENST461 or NRMT461. Formerly: NRMT461.*

*Ecology and management of wildlife in urban areas. For students in biological sciences, geography, landscape design, natural resources management, recreation and urban studies. Planning, design, and wildlife conservation in landscape ecology. Public attitudes, preferences, and values, review of private conservation organizations.*

One Saturday field trip is scheduled.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Shannon Pederson      | Seats (Total: 40) |
|      | TuTh 9:30am - 10:45am | ANS 0412          |

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### **ENST471      Capstone I**

(Perm req)

Credits: 2                      Grading Method: Regular,  
Pass-Fail, Audit

*This course will be conducted in a group discussion format that will focus on professional project proposal preparation and presentation, critical evaluation of environmental science research, professional development, and career planning. Students will develop and present original project proposals and critique project proposals presented by others.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Michael Kearney   | Seats (Total: 90) |
|      | W 1:00pm - 3:00pm | ATL 2400          |

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### **ENST487      Environmental Conflicts and Decision Making**

Credits: 2                      Grading Method: Regular

*Restriction: Senior standing. And must be in one of the following programs (Environmental Sci & Tech: Natural Resources Mgmt; Environmental Sci&Pol-Wildlife Ecology & Mgmt) ; or permission of AGNR-Environmental Science & Technology department.*

*Study major cases which focus on environmental science with concentration on the role and techniques of negotiation, collaborative decision making, and adaptive resource management as an environmental conflict resolution process.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Jennifer Murrow   | Seats (Total: 20) |
|      | M 1:00pm - 2:50pm | BPS 1232          |

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**ENST489      Field Experience**

(Perm req)

Credits: 1-4      Grading Method: Regular,  
Pass-Fail, Audit

*Planned field experience for both major and non-major students.*

**Contact department for information to register for this course.**

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**ENST489Z      Field Experience; Water Management in Urban Environment**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Planned field experience for both major and non-major students.*

Relevant processes in pathways and fluxes of water in urban areas. Urban water balance and consequences of urbanization on surface and groundwater regimes. Effects of climate and hydrology. Quantity and quality of urban runoff, sources of pollution and behavior of contaminants. Ecological quality and processes associated with urban water. Design and planning for water quality and quantity management in urban water systems. Exploring engineered, and ecologically engineered alternatives for stormwater management.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Masoud Negahban-Azar | Seats (Total: 40) |
|      | TuTh 2:00pm - 3:15pm | ANS 0422          |

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**ENST499      Special Topics in Environmental Science and Technology**

(Perm req)

Credits: 1-4      Grading Method: Regular,  
Pass-Fail, Audit

*An independent study, and/or lecture, and/or laboratory series organize to study a selected phase of Environmental Science and Technology not covered by existing courses. Credit arranged with supervising faculty member.*

**Contact department for information to register for this course.**

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**ENST499K Special Topics in Environmental Science and Technology; Ecological Entrepreneurship**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*An independent study, and/or lecture, and/or laboratory series organize to study a selected phase of Environmental Science and Technology not covered by existing courses. Credit arranged with supervising faculty member.*

Ecological Entrepreneurship adapts the Lean Startup process to take green innovation to the commercial application. It relies on customer discovery, empathy, storytelling, and the business model canvas.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | David Tilley          | Seats (Total: 20) |
|      | MWF 10:00am - 10:50am | ANS 0422          |

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**ENST499L Special Topics in Environmental Science and Technology; Ground Water Use in the Developing World**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*An independent study, and/or lecture, and/or laboratory series organize to study a selected phase of Environmental Science and Technology not covered by existing courses. Credit arranged with supervising faculty member.*

Overview of ground water as a water resource, its availability, quality and extraction in various developing countries. The role of a consultant in adapting modern technologies to developing ground water as a viable water resource.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Yaron Sternberg     | Seats (Total: 40) |
|      | M 12:00pm - 12:50pm | ANS 0422          |

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**ENST499R Special Topics in Environmental Science and Technology; Carbon Management**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*An independent study, and/or lecture, and/or laboratory series organize to study a selected phase of Environmental Science and Technology not covered by existing courses. Credit arranged with supervising faculty member.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Peter May             | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | ANS 0538          |

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**ENST499V Special Topics in Environmental Science and Technology; Nanotechnology in Energy and Environment: Applications and Implications**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*An independent study, and/or lecture, and/or laboratory series organize to study a selected phase of Environmental Science and Technology not covered by existing courses. Credit arranged with supervising faculty member.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Amro Hassanein         | Seats (Total: 15) |
|      | TuTh 11:00am - 12:15pm | ANS 1422          |

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**ENST499X      Special Topics in Environmental Science and Technology; Soil Science**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*An independent study, and/or lecture, and/or laboratory series organize to study a selected phase of Environmental Science and Technology not covered by existing courses. Credit arranged with supervising faculty member.*

Contact department for information to regisiter for this course.

|      |   |                  |
|------|---|------------------|
| 0101 | Raymond Weil                                  | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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**ENST499Y      Special Topics in Environmental Science and Technology; College Teaching**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*An independent study, and/or lecture, and/or laboratory series organize to study a selected phase of Environmental Science and Technology not covered by existing courses. Credit arranged with supervising faculty member.*

|      |   |                  |
|------|---|------------------|
| 0101 | Raymond Weil                                  | Seats (Total: 2) |
|      | Contact instructor or department for details. |                  |
| 1508 | Reginal Harrell                               | Seats (Total: 2) |
|      | Contact instructor or department for details. |                  |
| 2104 | Shannon Pederson                              | Seats (Total: 2) |
|      | Contact instructor or department for details. |                  |
| 2801 | Jose-Luis Izursa                              | Seats (Total: 2) |
|      | Contact instructor or department for details. |                  |

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**ENST602      Research Principles and Methodology in Environmental Scienceand Technolgy**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Restriction: Must be in Environmental Sci & Tech program.*

*Fundamental research strategies and methods of investigation in Environmental Science and Technology including field and laboratory procedures.*

|      |                                |                   |
|------|--------------------------------|-------------------|
| 0101 | Bahram Momen, William Bowerman | Seats (Total: 15) |
|      | TuTh 11:00am - 12:15pm         | ANS 1420          |

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## ENST604

### Advanced Ecological and Natural Resource Ethics

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: ENST214 and ENST360. Recommended: ENST314, ENST410, and ENST460. Credit only granted for: ENST404 or ENST604.*

*Bridges science and management with ethical theory and concepts to help scientists, regulators, and managers understand how to deal with potential ethical dilemmas that arise in natural resource and environmental management implementation and policy development.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Reginal Harrell        | Seats (Total: 10) |
|      | TuTh 11:00am - 12:15pm | ANS 0422          |

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## ENST608

### Research Methods

(Perm req)

Credits: 1-4

Grading Method: Regular,  
Audit

*Development of research viewpoint by detailed study and report on crop and soil research of the Maryland Agriculture Experiment Station or review and discussion of literature on specific agricultural problems or new research techniques.*

**Contact department for information to register for this course.**

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## ENST611

### Advanced Principles of Soil Fertility

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: ENST200; or students who have taken courses with comparable content may contact the department. Also offered as: ENST411. Credit only granted for: ENST411, NRSC411, or ENST611.*

*Soil factors affecting plant growth and quality with emphasis on the bio-availability of mineral nutrients. The management of soil systems to enhance plant growth by means of crop rotations, microbial activities, and use of organic and inorganic amendments.*



|   |                          |                  |
|---|--------------------------|------------------|
| 2005  | Jennifer Murrow          | Seats (Total: 5) |
| Contact instructor or department for details. |                          |                  |
| 2103  | Mitchell Pavao-Zuckerman | Seats (Total: 5) |
| Contact instructor or department for details. |                          |                  |
| 2201  | Martin Rabenhorst        | Seats (Total: 3) |
| Contact instructor or department for details. |                          |                  |
| 3001  | Lance Yonkos             | Seats (Total: 2) |
| Contact instructor or department for details. |                          |                  |

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**ENST689I      Special Topics; Molecular Techniques in Ecotoxicology**

Credits: 2                      Grading Method: Regular,  
   Audit

*Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.*

|   |              |                  |
|---|--------------|------------------|
| 0101  | Lance Yonkos | Seats (Total: 1) |
| Contact instructor or department for details. |              |                  |

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**ENST689O      Special Topics; Advances in Research, Invasive Plants**

Credits: 1                      Grading Method: Regular,  
   Audit

*Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Wendy Peer        | Seats (Total: 20) |
|      | M 4:00pm - 4:50pm | ANS 1420          |

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**ENST689R      Special Topics; Invasive Ecology**

Credits: 1-3                      Grading Method: Regular,  
   Audit

*Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.*

Prerequisite: One semester of biology or permission of department. Students will examine ecological, evolutionary, and anthropogenic processes facilitating or resisting biological invasions, and consider their environmental, economic, and human health impacts. We will consider various management strategies to mitigate invasions and identify areas of future research. Detailed discussion of recent findings and controversies in the literature will help illustrate fundamental concepts of invasions among various ecosystems

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Paul Leisnham      | Seats (Total: 10) |
|      | Tu 1:00pm - 2:15pm | ANS 1422          |
|      | Th 1:00pm - 3:00pm | ANS 1422          |

## ENST689V

### **Special Topics; Advanced Nanotechnology in Energy and Environment: Applications and Implications**

Credits: 3                      Grading Method: Regular,  
Audit

*Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.*

|      |                        |                  |
|------|------------------------|------------------|
| 0101 | Amro Hassanein         | Seats (Total: 5) |
|      | TuTh 11:00am - 12:15pm | ANS 1422         |

## ENST689X

### **Special Topics; Methods in University Teaching**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.*

|      |   |                  |
|------|---|------------------|
| 0101 | Raymond Weil                                  | Seats (Total: 1) |
|      | Contact instructor or department for details. |                  |

## ENST689Y

### **Special Topics; Advances in Research, Plant Membrane Biology**

Credits: 2                      Grading Method: Regular,  
Audit

*Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Angus Murphy, Wendy Peer                      | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

**ENST789****Advances in Research**

Credits: 1-4      Grading Method: Regular,  
Audit

*A study of recent advances in agronomy research.*

**Contact department for information to register for this course.**

**ENST798****Graduate Seminar**

Credits: 1      Grading Method: Regular,  
Audit

*Designed to provide a venue for interactive discussion between ENST graduate students and other members of the ENST community regarding thesis/dissertation research planned or conducted as part of the students graduate program.*

|      |                                      |                   |
|------|--------------------------------------|-------------------|
| 0101 | Stephanie Yarwood, Martin Rabenhorst | Seats (Total: 30) |
|      | W 4:00pm - 4:50pm                    | ANS 0408          |

**ENST799****Master's Thesis Research**

Credits: 1-6      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

**ENST898****Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

**ENST899****Doctoral Dissertation Research**

(Perm req)

Credits: 6      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

**ENTM****Entomology****Fall 2017****ENTM699K****Advanced Entomology; Biological Sciences Teaching and Learning in Higher Education**

(Perm req)

Credits: 2      Grading Method: Regular,  
Audit

*Credit and prerequisites to be determined by the department. First and second semesters. Studies of minor problems in morphology, physiology, taxonomy and applied entomology, with particular reference to the preparation of the student for individual research.*

Also offered as BIOL608K, CBMG699K, and CHEM608K. Credit will be granted for only one of the following: BIOL608K, CBMG699K, CHEM608K, or ENTM699K.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Gili Ad-Marbach    | Seats (Total: 12) |
|      | W 12:00pm - 1:40pm | BPS 1208          |

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**ENTM699M      Advanced Entomology; Tools & Techniques in Genomics Research for the Applied      Biologist**

Credits: 1                      Grading Method: Regular

*Credit and prerequisites to be determined by the department. First and second semesters. Studies of minor problems in morphology, physiology, taxonomy and applied entomology, with particular reference to the preparation of the student for individual research.*

|      |   |                  |
|------|---|------------------|
| 0101 | Megan Fritz                                   | Seats (Total: 7) |
|      | Contact instructor or department for details. |                  |

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**ENTM699W      Advanced Entomology; Insect Physiology and Molecular Biology**

Credits: 3                      Grading Method: Regular,  
Audit

*Credit and prerequisites to be determined by the department. First and second semesters. Studies of minor problems in morphology, physiology, taxonomy and applied entomology, with particular reference to the preparation of the student for individual research.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Jian Wang                                     | Seats (Total: 20) |
|      | Contact instructor or department for details. |                   |

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**ENTM701      Effective Teaching: TA Training**

(Perm req)

Credits: 1                      Grading Method: Regular

*A survey and discussion of topics pertinent to graduate students who are first-time teaching assistants, including teaching responsibilities and policies, effective techniques of lecturing and leading discussions, composing and grading quizzes and exams, cultural diversity, time management, and development of a teaching portfolio. All teaching assistants in the College of Life Sciences must take a 701 TA training course in one of the departments.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Bretton Kent       | Seats (Total: 20) |
|      | Tu 6:00pm - 8:00pm | BPS 1208          |

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**ENTM710      Insect Biodiversity, Physiology and Ecology**

Credits: 3                      Grading Method: Regular



*A survey course discussing the various families of insects, discuss their anatomy and physiology, and their role in ecological systems. Students will examine the ecological and evolutionary perspectives on interactions between plants and vertebrate and invertebrate animals. Further, it explores the applied consequences of animal-plant interactions to agroecology and conservation biology. These goals are achieved by reviewing the theoretical underpinnings of animal-plant interactions, and exposing students to research literature on animal-plant interactions.*

|      |   |                  |
|------|---|------------------|
| PLE1 | Marcia Shofner  | Seats (Total: 8) |
|      | <b>Meets August 28, 2017 - November 17, 2017</b>                      |                  |
|      | Class time/details on ELMs  | ONLINE           |
|      | <i>Restricted to students in the Professional Entomology Program.</i> |                  |

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## ENTM745 **Bee Biology and Beekeeping**

Credits: 3      Grading Method: Regular

*Students will be introduced to the anatomy and physiology of the honey bee colony with emphasis on how to use this information to best manage honey bee colonies.*

|      |   |                  |
|------|---|------------------|
| PLE1 | Kelly Kulhanek, Anthony Nearman, Dennis vanEngelsdorp                 | Seats (Total: 8) |
|      | <b>Meets August 28, 2017 - November 17, 2017</b>                      |                  |
|      | Class time/details on ELMs  | ONLINE           |
|      | <i>Restricted to students in the Professional Entomology Program.</i> |                  |

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## ENTM756 **Insect Diseases and Pathology**

Credits: 3      Grading Method: Regular

*Credit only granted for: ENTM715 or ENTM756. Formerly: ENTM715.*

*Integrates aspects of biochemistry, molecular biology and evolution theory with ecology using pathogens of insects as a model. The various biotic (living) and abiotic (nonliving) factors that can contribute to plant problems. Explores the direction and goals of innovation in microbial biocontrol as well as the effect of social criticism and considerations of environmental impact on attempts to introduce engineered microorganisms.*

|      |   |                  |
|------|---|------------------|
| PLE1 | Raymond StLeger   | Seats (Total: 8) |
|      | <b>Meets August 28, 2017 - November 17, 2017</b>                      |                  |
|      | Class time/details on ELMs  | ONLINE           |
|      | <i>Restricted to students in the Professional Entomology Program.</i> |                  |

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**ENTM769****Capstone: Scholarly Paper**

Credits: 3                      Grading Method: Regular

*An examination of the current literature on topics related to the field of applied entomology. The Capstone Course provides the opportunity to apply and integrate best practices based on current research in the form of a formal scholarly paper.*

|      |   |                  |
|------|---|------------------|
| PLE1 | Tammatha O'Brien  | Seats (Total: 8) |
|      | <b>Meets August 28, 2017 - November 17, 2017</b>                      |                  |
|      | Class time/details on ELMs  | ONLINE           |
|      | <i>Restricted to students in the Professional Entomology Program.</i> |                  |

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**ENTM788C****Entomological Topics; Colloquium**Credits: 1-3                      Grading Method: Regular,  
Audit

*One lecture or one two-hour laboratory period a week for each credit hour. Lectures, group discussions or laboratory sessions on selected topics such as: aquatic insects, biological control of insects, entomological literature, forest entomology, history of entomology, insect biochemistry, insect embryology, immature insects, insect behavior, insect communication, principles of entomological research.*

|      |                     |  |
|------|---------------------|--|
| 0101 | Alan Leslie         | Seats (Total: 45)                        |
|      | F 12:00pm - 12:50pm | PLS 1130                                 |
|      | F 1:00pm - 1:50pm   | PLS 1130                      Discussion |

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**ENTM788R****Entomological Topics; Insect Pathology**Credits: 2                      Grading Method: Regular,  
Audit

*One lecture or one two-hour laboratory period a week for each credit hour. Lectures, group discussions or laboratory sessions on selected topics such as: aquatic insects, biological control of insects, entomological literature, forest entomology, history of entomology, insect biochemistry, insect embryology, immature insects, insect behavior, insect communication, principles of entomological research.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Raymond StLeger                               | Seats (Total: 20) |
|      | Contact instructor or department for details. | ONLINE            |
|      | Class time/details on ELMs                    |                   |

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**ENTM798J**

Credits: 1

*Discussion and presentation of current research and literature.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Jeffrey Shultz                                | Seats (Total: 20) |
|      | Contact instructor or department for details. |                   |

**ENTM799**

Credits: 1-6      Grading Method: Regular

**ENTM898**

Credits: 1-8      Grading Method: Regular

**ENTM899**

(Perm req)

# ENTS

## Telecommunications

## Fall 2017

**ENTS622**

Credits: 3

*Restriction: Must be in Telecommunications (Master's) program; or permission of ENGR-Electrical & Computer Engineering department. Credit only granted for: ENTS622 or ENTS689B. Formerly: ENTS689B.*

*Principles of analog and digital communication systems design. Analysis of the performance and relative merits of different modulation and demodulation, signal processing, filtering and error control schemes in communication systems. Also provides an understanding of the design of modern digital communication systems.*

|      |                    |                   |     |
|------|--------------------|-------------------|-----|
| 0101 | Alejandra Mercado  | Seats (Total: 20) |     |
|      | M 5:30pm - 8:15pm  | ATL 2428          |     |
|      | Th 5:30pm - 7:00pm | AVW 1458          | Lab |

|      |                     |                   |
|------|---------------------|-------------------|
| 0102 | Alejandra Mercado   | Seats (Total: 20) |
|      | M 5:30pm - 8:15pm   | ATL 2428          |
|      | W 9:00am - 10:30am  | AVW 1458 Lab      |
| 0201 | Alejandra Mercado   | Seats (Total: 20) |
|      | M 9:00am - 11:45am  | PHY 4221          |
|      | Th 9:00am - 10:30am | AVW 1458 Lab      |
| 0202 | Alejandra Mercado   | Seats (Total: 20) |
|      | M 9:00am - 11:45am  | PHY 4221          |
|      | W 10:45am - 12:15pm | AVW 1458 Lab      |

## ENTS625

### Management and Organizational Behavior in the Telecommunications Industry

Credits: 3      Grading Method: Regular,  
Audit

*Roles of the general manager in: determining target markets and designing strategies for them; formulating and implementing corporate and business level strategies; and staffing, developing, and managing human resources and coordinating them with the organization's financial and physical resources. Also emphasizes the building of interpersonal skills with respect to the selection of members for work teams and team formation, leadership of teams toward the achievement of strategic goals and total quality, the development and motivation of team members, and the evaluation of team and individual performance.*

Restricted to ENTS majors. All non-major students will need to obtain department permission.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Aswani Valiveti    | Seats (Total: 40) |
|      | Th 5:30pm - 8:15pm | SQH 1105          |
| 0201 | Aswani Valiveti    | Seats (Total: 40) |
|      | Th 2:00pm - 4:45pm | SQH 1105          |

## ENTS629A

### Special Topics in Cybersecurity; System Security

Credits: 3      Grading Method: Regular,  
Audit

*Selected topics of current importance in cybersecurity.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Fazlul Kabir      | Seats (Total: 30) |
|      | W 5:30pm - 8:15pm | EGR 0135          |

## The Economics of International Telecommunications

*Restriction: Must be in Telecommunications (Master's) program.*

Restricted to ENTS majors. All non-major students will need to obtain department permission.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Jahangir Boroumand | Seats (Total: 40) |
|      | W 5:30pm - 8:15pm  | SQH 1105          |
| 0201 | Jahangir Boroumand | Seats (Total: 40) |
|      | W 2:00pm - 4:45pm  | SQH 1105          |

## Telecommunications Marketing Management

*Restriction: Must be in Telecommunications (Master's) program.*

Restricted to ENTS majors. All non-major students will need to obtain department permission. [Click here for more course information.](#)

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Janet Wagner       | Seats (Total: 40) |
|      | Tu 5:30pm - 8:15pm | SQH 1119          |
| 0201 | Janet Wagner       | Seats (Total: 40) |
|      | Tu 2:00pm - 4:45pm | SQH 1119          |

## Decision Support Methods for Telecommunication Managers

*Restriction: Must be in Telecommunications (Master's) program.*

*The aim of this course is to introduce management science techniques for informed decision making. Topics covered can include data analysis and regression, optimization models and applications (workforce scheduling, manufacturing, network design, facility location), sensitivity analysis, decision trees, risk analysis and business simulation models. Emphasis will be on telecommunications managerial problems, model development and the use of software packages for decision support.*

Restricted to ENTS majors. All non-major students will need to obtain department permission. [Click here for more course information.](#)

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Kazim Ruhi        | Seats (Total: 40) |
|      | M 5:30pm - 8:15pm | SQH 1105          |
| 0201 | Kazim Ruhi        | Seats (Total: 40) |
|      | M 2:00pm - 4:45pm | SQH 1105          |

## ENTS640

### Networks and Protocols I

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in Telecommunications (Master's) program.*

*An overview of design issues and the important industry standards for digital communications networks. This includes protocols, data communications technologies, error correction and detection, congestion control, traffic routing, Local Area Network (LAN) protocols, TCP/IP, and some security issues.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Zoltan Safar       | Seats (Total: 20) |
|      | Th 5:30pm - 8:15pm | ITV 1100          |
|      | Tu 5:30pm - 8:15pm | AVW 1458      Lab |
| 0102 | Zoltan Safar       | Seats (Total: 20) |
|      | Th 5:30pm - 8:15pm | ITV 1100          |
|      | W 5:30pm - 8:15pm  | AVW 1458      Lab |
| 0201 | Zoltan Safar       | Seats (Total: 20) |
|      | Th 2:00pm - 4:45pm | ITV 1100          |
|      | Tu 2:00pm - 4:45pm | AVW 1458      Lab |
| 0202 | Zoltan Safar       | Seats (Total: 20) |
|      | Th 2:00pm - 4:45pm | ITV 1100          |
|      | W 2:00pm - 4:45pm  | AVW 1458      Lab |

## ENTS641

### Networks and Protocols II

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: ENTS640. Restriction: Must be in Telecommunications (Master's) program.*

*Techniques for the specification, design, analysis, verification and testing of communication protocols are discussed. The course includes detailed discussion on routing protocols in the Internet. This includes Routing Information Protocol (RIP), Enhanced Interior Gateway Routing Protocol (EIGRP), Open Shortest Path First (OSPF), and Border Gateway Protocol (BGP4).*

|      |                          |                   |
|------|--------------------------|-------------------|
| 0101 | Mehdi Kalantari Khandani | Seats (Total: 40) |
|      | Th 5:30pm - 8:15pm       | EGR 3106          |

**ENTS649B Special Topics in Networking; Cloud Computing**

Credits: 3      Grading Method: Regular,  
Audit

*Selected topics of current importance in networking.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Reza Eftekari      | Seats (Total: 30) |
|      | F 9:00am - 11:45am | JMP 1109          |

## ENTS653 AWS/PCS System Implementation

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in Telecommunications (Master's) program.*

*Engineering issues associated with designing and deploying a AWS/PCS cellular wireless communications system in the current world environment will be examined. The course will focus on implementation issues such as the impact of real world concerns on the deployment strategy and the use of good engineering practice to overcome obstacles. Students will create and modify mock deployments using professional tools for cell planning and interference analysis. Students will also be exposed to drive testing tools and concepts for migration to future technologies.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Michael Dellomo    | Seats (Total: 40) |
|      | Tu 5:30pm - 8:15pm | EGR 0135          |

**ENTS657      Satellite Communication Systems**

Credits: 3      Grading Method: Regular,  
Audit

*Credit only granted for: ENTS657 or ENTS689S. Formerly: ENTS689S.*

*An examination of satellite telecommunication systems with an emphasis on the mobile satellite systems (MSS). Topics will include a historical perspective, orbital mechanics and constellations, choice of orbital parameters, propagations considerations, link budgets, interference issues and other obstacles, and existing and proposed mobile satellite systems. It will also look at some of the business aspects such as the cost of deploying and maintaining these systems.*

An examination of satellite telecommunication systems with an emphasis on the mobile satellite systems (MSS). Topics will include a historical perspective, orbital mechanics and constellations, choice of orbital parameters, propagations considerations, link budgets, interference issues and other obstacles, and existing and proposed mobile satellite systems. It will also look at some of the business aspects such as the cost of deploying and maintaining these systems.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Michael Dellomo   | Seats (Total: 30) |
|      | W 5:30pm - 8:15pm | EGR 1104          |

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**ENTS669B      Special Topics in Computing; Distributed Systems in a Virtual Environment**

Credits: 3                      Grading Method: Regular,  
Audit

*Selected topics of current importance in computing.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Jeffrey McKinney  | Seats (Total: 18) |
|      | M 5:30pm - 8:15pm | AVW 1324          |

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**ENTS669E      Special Topics in Computing; Statistical Pattern Recognition**

(Perm req)                      Grading Method: Regular,  
Credits: 3                      Audit

*Selected topics of current importance in computing.*

Restriction: Permission of the instructor. The goal is to introduce mathematical pattern analysis and recognition. Emphasis is given to parametric and non-parametric statistical pattern recognition methods and clustering with applications to speech, image and video recognition.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Ramalingam Chellappa | Seats (Total: 75) |
|      | MW 11:00am - 12:15pm | ATL 1113          |

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**ENTS673      Project Management for Telecommunications**

Credits: 3                      Grading Method: Regular,  
Audit

*Formerly: ENTS689P.*



*Introduces modern project management. Begins with an overview and expands into Adaptive and Extreme project management. The focus then shifts to the individual skills required to be an effective project manager, such as time management, leadership and motivation. Once skills of the individual have been addressed, social networks and how they impact project management are examined.*

Restricted to ENTS majors. All non-major students will need to obtain department permission. [Click here for more course information.](#)

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Barnet Corwin      | Seats (Total: 30) |
|      | Tu 5:30pm - 8:15pm | SQH 2120          |

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**ENTS689A      Special Topics in Telecommunications; Algorithms and Data Structures**

Credits: 3                      Grading Method: Regular,  
   Audit

*Selected topics of current importance in telecommunications.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Gang Qu           | Seats (Total: 30) |
|      | W 2:00pm - 4:45pm | EGR 1104          |

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**ENTS689F      Special Topics in Telecommunications; Fundamentals of Wireless LANs**

Credits: 3                      Grading Method: Regular,  
   Audit

*Selected topics of current importance in telecommunications.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Rikin Thakker     | Seats (Total: 30) |
|      | F 5:30pm - 8:15pm | EGR 2154          |

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**ENTS689K      Special Topics in Telecommunications; Telecommunications Entrepreneurial Practicum**

(Perm req)

Credits: 3                      Grading Method: Regular,  
   Audit

*Selected topics of current importance in telecommunications.*

Department permission required.

|      |   |                  |
|------|---|------------------|
| 0101 | Michael Dellomo                               | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |

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**ENTS689N      Special Topics in Telecommunications; Network Programming**

Credits: 3      Grading Method: Regular, Audit

*Selected topics of current importance in telecommunications.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Masoud Hamed      | Seats (Total: 30) |
|      | M 5:30pm - 8:15pm | EGR 2116          |

**ENTS699      Independent Study in Telecommunications**

(Perm req)

Credits: 1      Grading Method: Regular

*Individual instruction course. See ENTS program office for section number.*

**Contact department for information to register for this course.**

**ENTS699B Independent Study in Telecommunications; Embedded Signal Processing**

(Perm req)

Credits: 3      Grading Method: Regular, Audit

*Individual instruction course. See ENTS program office for section number.*

By Permission of ENTS Program Only.

|      |   |                  |
|------|---|------------------|
| 0101 | Shuvra Bhattacharyya                          | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

**ENTS699C Independent Study in Telecommunications; Independent Study in Advanced Embedded Signal Processing**

(Perm req)

Credits: 1-3      Grading Method: Regular, Audit

*Individual instruction course. See ENTS program office for section number.*

Prerequisites: ENTS 699B, and By Permission of ENTS Program only. In this course, students work on an Embedded Signal Processing research project under the supervision of the instructor. Typically the project is a continuation of one that was undertaken previously in ENTS 699B.

|      |   |                  |
|------|---|------------------|
| 0101 | Shuvra Bhattacharyya                          | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

**ENTS699K Independent Study in Telecommunications; Advanced Studies on Modern Wireless Networks and Technologies**

Credits: 3      Grading Method: Regular,  
Audit

*Individual instruction course. See ENTS program office for section number.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Kamran Etemad     | Seats (Total: 30) |
|      | M 1:00pm - 3:45pm | ATL 1114          |

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**ENTS749B      Advanced Topics in Networking; Software-Defined Networking**

Credits: 3                      Grading Method: Regular,  
   Audit

*Selected advanced topics in networking.*

Please click here for further course information.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Majid Raissi-Dehkordi | Seats (Total: 24) |
|      | M 5:30pm - 8:15pm     | AVW 1458          |

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**ENTS749D      Advanced Topics in Networking; Network Design and Configuration Lab**

Credits: 3                      Grading Method: Regular,  
   Audit

*Selected advanced topics in networking.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Zoltan Safar      | Seats (Total: 18) |
|      | F 2:00pm - 4:45pm | AVW 1324          |

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**ENTS759D      Advanced Topics in Communications; Distributed Antenna Systems (DAS) and Small Cells**

Credits: 3                      Grading Method: Regular,  
   Audit

*Selected advanced topics in communications.*

Prerequisites: ENTS656 or ENTS653.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Rikin Thakker     | Seats (Total: 30) |
|      | F 2:00pm - 4:45pm | CHE 2118          |

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**EPIB                      Epidemiology and Biostatistics                      Fall 2017**

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**EPIB300                      Biostatistics for Public Health Practice**

Credits: 3                      Grading Method: Regular,  
   Pass-Fail

General Education: FSAR

*Prerequisite: Minimum grade of C- in CHEM131 and CHEM132. Restriction: Must be in Public Health Science program. Also offered as: HLTH300. Credit only granted for: EPIB300 or HLTH300.*

*An examination of biostatistical concepts and procedures as they relate to contemporary issues in public health. Focus on applications, hands-on-experience, and interpretations of statistical findings in public health research.*

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0101 | Jing Zhang            | Seats (Total: 20) |            |
|      | TuTh 9:30am - 10:20am | ESJ 2208          |            |
|      | Th 11:00am - 11:50am  | PLS 1158          | Discussion |
| 0102 | Jing Zhang            | Seats (Total: 20) |            |
|      | TuTh 9:30am - 10:20am | ESJ 2208          |            |
|      | Th 12:30pm - 1:20pm   | SPH 0302          | Discussion |
| 0103 | Jing Zhang            | Seats (Total: 20) |            |
|      | TuTh 9:30am - 10:20am | ESJ 2208          |            |
|      | Th 2:00pm - 2:50pm    | MTH B0427         | Discussion |
| 0104 | Jing Zhang            | Seats (Total: 20) |            |
|      | TuTh 9:30am - 10:20am | ESJ 2208          |            |
|      | Th 3:00pm - 3:50pm    | PLS 1158          | Discussion |
| 0105 | Jing Zhang            | Seats (Total: 20) |            |
|      | TuTh 9:30am - 10:20am | ESJ 2208          |            |
|      | M 9:00am - 9:50am     | CHE 2116          | Discussion |
| 0106 | Jing Zhang            | Seats (Total: 20) |            |
|      | TuTh 9:30am - 10:20am | ESJ 2208          |            |
|      | M 10:00am - 10:50am   | SPH 0305          | Discussion |

## EPIB301

### Epidemiology for Public Health Practice

Credits: 3      Grading Method: Regular,  
Pass-Fail

*Prerequisite: Minimum grade of C- in EPIB300. Restriction: Must be in one of the following programs (Community Health; Public Health Science). Also offered as: HLTH301. Credit only granted for: EPIB301 and HLTH301.*

*An examination of the discipline of epidemiology and its application to public health issues and practices, covering current epidemiological concepts and methods.*

|      |  |   |            |
|------|--|---|------------|
| 0101 | Natalie Slopen<br>TuTh 2:00pm - 2:50pm<br>F 9:00am - 9:50am  | Seats (Total: 20)<br>ESJ 2208<br>SPH 0301 | Discussion |
| 0102 | Natalie Slopen<br>TuTh 2:00pm - 2:50pm<br>F 10:00am - 10:50am  | Seats (Total: 20)<br>ESJ 2208<br>SPH 0307 | Discussion |
| 0103 | Natalie Slopen<br>TuTh 2:00pm - 2:50pm<br>F 11:00am - 11:50am  | Seats (Total: 20)<br>ESJ 2208<br>SPH 0307 | Discussion |
| 0104 | Natalie Slopen<br>TuTh 2:00pm - 2:50pm<br>F 12:00pm - 12:50pm  | Seats (Total: 20)<br>ESJ 2208<br>SPH 0307 | Discussion |
| 0105 | Natalie Slopen<br>TuTh 2:00pm - 2:50pm<br>M 1:00pm - 1:50pm  | Seats (Total: 20)<br>ESJ 2208<br>SPH 0303 | Discussion |
| 0106 | Natalie Slopen<br>TuTh 2:00pm - 2:50pm<br>M 2:00pm - 2:50pm  | Seats (Total: 20)<br>ESJ 2208<br>SPH 0303 | Discussion |
| SG91 | Bonnie Richter<br>W 5:15pm - 8:00pm<br><br><i>Restricted to Public Health Science students (code:12140).</i> | Seats (Total: 35)<br>BLD2 3022            |            |

## EPIB330

### The Coming Plague: Public Health Perspectives

Credits: 3      Grading Method: Regular

*Prerequisite: BSCI202.*

*Disease control and prevention is fundamental to the health of local, national, and global populations. Infectious agents are constantly adapting and breaching our defenses. Factors related to society, the environment, and our increasing global interconnectedness increase the likelihood of disease emergence and spread. Vaccines and antibiotics, demographic changes and urbanization, climate change and natural disasters, international travel and commerce, poverty and war create conditions for infectious diseases to spread. So how do we design and execute solutions to public health threats? How do research, policies, interventions, and budgets affect public health systems?*

|      |   |   |
|------|---|---|
| 0101 | Olivia Carter-Pokras<br>TuTh 9:30am - 10:45am | Seats (Total: 30)<br>JMZ 0205<br><i>Restricted to PHSC students at the College Park campus.</i> |
| SG91 | Sara Bazaco<br>Th 5:15pm - 7:45pm             | Seats (Total: 30)<br>BLD3 4212  |

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### **EPIB399      Epidemiology and Biostatistics Independent Study**

Credits: 1-3      Grading Method: Regular

*The EPIB undergraduate independent study is an opportunity for undergraduates from other departments in the SPH or the university to work with an Epidemiology and Biostatistics faculty member on research or special projects that are based out of EPIB.*

**Contact department for information to register for this course.**

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### **EPIB610      Foundations of Epidemiology**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: EPIB300; or equivalent undergraduate statistics or biostatistics course with a grade of C- or higher; or a score of 70% or higher on EPIB300 placement exam. Credit only granted for: EPIB610 or HLTH720. Formerly: HLTH720.*

*Introduction to the discipline of epidemiology and its applications to health issues and practices. Basic epidemiologic concepts and methods will be covered.*

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Olivia Carter-Pokras<br>Th 4:00pm - 6:45pm | Seats (Total: 30)<br>SPH 0302 |
| 0102 | Typhanye Dyer<br>Th 4:00pm - 6:45pm        | Seats (Total: 30)<br>SPH 1302 |

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### **EPIB612      Epidemiologic Study Design**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: EPIB650, EPIB610, and EPIB611.*

*Application of epidemiologic study designs, analytic methods used for analysis of cohort, case-control, cross-sectional, and clinical trials research.*

Prequisites: EPIB650, EOIB610, and EPIB611.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Hongjie Liu       | Seats (Total: 20) |
|      | M 4:00pm - 6:45pm | SPH 0307          |

## **EPIB622 Social Determinants of Health**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: EPIB610.*

*Overview of the major social variables that affect public health, including socioeconomic status, poverty, income distribution, race, social networks/support, community cohesion, psychological stress, gender, and work and neighborhood environment.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Sunmin Lee         | Seats (Total: 20) |
|      | Th 4:00pm - 6:45pm | SPH 0308          |

## **EPIB626 Epidemiology of Obesity**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: EPIB610.*

*Overview of the epidemiological, prevention, and treatment of obesity, its causes and consequences, and energy balance issues; application of epidemiologic methods to the study of obesity epidemiology.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Cher Dallal        | Seats (Total: 20) |
|      | Th 1:00pm - 3:45pm | SPH 0301          |

## **EPIB630 Epidemiologic Methods in Sexual and Reproductive Health Research**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: EPIB610 or permission from instructor.*

*Examination of epidemiologic methods (quantitative and qualitative) for collecting and analyzing data on sexual and reproductive health. The emphasis will be to introduce students to the appropriate methods used for challenging and sensitive research topics such as sexual behavior, HIV/STI, drug use, sexual abuse.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Typhanye Dyer       | Seats (Total: 20) |
|      | Tu 11:00am - 1:45pm | SPH 0302          |

**EPIB650****Biostatistics I**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: EPIB300; or equivalent undergraduate statistics or biostatistics course with a grade of C- or higher; or a score of 70% or higher on EPIB placement exam. Credit only granted for: EPIB650, HLTH651, or HLTH688B. Formerly: HLTH651 and HLTH688B.*

*Basic statistical concepts and procedures for Public Health. Focuses on applications, hands-on-experience, and interpretations of statistical findings.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Xin He             | Seats (Total: 30) |
|      | Tu 4:00pm - 6:45pm | SPH 0302          |
| 0102 | Mei-Ling Lee       | Seats (Total: 30) |
|      | Tu 4:00pm - 6:45pm | SPH 0308          |

**EPIB651****Biostatistics II**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: A B or higher in EPIB650 OR for students who have officially waived EPIB650, a minimum score of 70% on the EPIB650 placement exam. Recommended: Previous coursework and/or experience with SAS is highly recommended.*

*Introduction to a variety of statistical tools with applications in public health, including one- and two-sample inference, nonparametric methods, categorical data, ANOVA, simple and multiple regression.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Raul Cruz-Cano     | Seats (Total: 25) |
|      | Th 1:00pm - 3:45pm | ATL 2316          |

**EPIB652****Categorical Data Analysis**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: EPIB650 and EPIB651. Recommended: EPIB698C (SAS Basics).*

*Methods for analysis of categorical data as applied to public health research, including contingency tables, logistic regression, multcategory logic models, loglinear models, and models for matched-pairs.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Jing Zhang        | Seats (Total: 20) |
|      | W 4:00pm - 6:45pm | SPH 0301          |



**EPIB655**

## Longitudinal Data Analysis

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: EPIB650 and EPIB651.*

*Statistical models for drawing scientific inferences from longitudinal data, longitudinal study design, repeated measures and random effects to account for experimental designs that involve correlated responses, handling of missing data.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Xin He             | Seats (Total: 12) |
|      | Tu 1:00pm - 3:45pm | SPH 0301          |

**EPIB697**

## Public Health Data Management

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: Permission of instructor.*

*This course is designed to provide students with the expertise needed to effectively manage research data using SAS as the statistical programming language.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Raul Cruz-Cano    | Seats (Total: 12) |
|      | W 4:00pm - 6:45pm | SPH 2234CC        |

**EPIB785**

## Internship in Public Health

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: Permission of SPHL-Epidemiology & Biostatistics department.*

*Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.*

**Contact department for information to register for this course.**

**EPIB786**

## Capstone Project in Public Health

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: Permission of SPHL-Epidemiology & Biostatistics department.*

*Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.*

**Contact department for information to register for this course.**

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**EPIB788      Critical Readings in Epidemiology and Biostatistics**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Audit

*Open to master and doctoral students to discuss critical readings in Epidemiology and Biostatistics.*

**Contact department for information to register for this course.**

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**EPIB798      Independent Study**

(Perm req)

Credits: 1-6

Grading Method: Regular,  
Audit

*Master or doctoral students who desire to pursue special research problems under the direction of a faculty member of the department may register for 1-6 hours of credit under this number.*

**Contact department for information to register for this course.**

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**EPIB799      Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**EPIB898      Pre-Candidacy Research**

(Perm req)

Credits: 1-8

Grading Method: Regular

**Contact department for information to register for this course.**

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**EPIB899      Doctoral Dissertation Research**

(Perm req)

Credits: 6

Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**FGSM      Federal and Global Semester      Fall 2017**

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**FGSM320      Public Health Policy**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in the Federal Fellows Program; and permission of instructor.*

*An exploration of the major questions and issues facing the U.S. health care system as well as the formulation and implementation of health policy.*

Also offered as HONR378E. Credit granted for FGSM320 or HONR378E.

|      |                                |                   |
|------|--------------------------------|-------------------|
| 0101 | Elaine Anderson, Samuel Kessel | Seats (Total: 23) |
|      | Tu 3:30pm - 6:30pm             | SPH 1302          |

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**FGSM330**      **Homeland and National Security Policy**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in the Federal Fellows Program; and permission of instructor.*

*An examination of the concept of U.S. homeland and national security, threats, and major vulnerabilities in the context of recent history.*

Also offered as HONR378G. Credit granted for FGSM330 or HONR378G.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Magdalena Bajll   | Seats (Total: 23) |
|      | M 6:30pm - 9:30pm | PLS 1117          |

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**FGSM340**      **Energy and Environmental Policy**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in the Federal Fellows Program; and permission of instructor.*

*An examination of issues of energy and environmental sustainability through an investigation of policy-making in energy, climate change, and sustainable development.*

Also offered as HONR378J. Credit granted for FGSM340 or HONR378J.

|      |                           |                   |
|------|---------------------------|-------------------|
| 0101 | Ed Fendley, Thomas Carter | Seats (Total: 23) |
|      | Tu 3:30pm - 6:30pm        | BPS 1236          |

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**FGSM350**      **Critical Regions and International Relations**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in the Global Fellows Program; and permission of instructor.*

*An examination of international relations and foreign policy challenges in critical regions.*

Also offered as HONR378K. Credit granted for FGSM350 or HONR378K.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Danusia Hubah       | Seats (Total: 24) |
|      | Tu 7:00pm - 10:00pm | PLS 1172          |

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**FGSM360****U.S. Diplomacy and Policymaking**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in the Global Fellows Program; and permission of instructor. Formerly: This course is a revamp of a course offered previously under UNIV348, starting in Fall 2009, as part of Federal Semester Program. The Federal Fellows and Global Fellows in Washington, DC programs now have their own prefix FGSM, as of Fall 2016.*

*An examination of questions and issues in the practice of contemporary diplomacy and policy-making. Guest lecturers drawn from Washington policy-making and foreign service communities will visit class and participate in discussion.*

Also offered as HONR378A. Credit granted for FGSM360 or HONR378A.

|      |                             |                   |
|------|-----------------------------|-------------------|
| 0101 | Raffi Balian, William Usher | Seats (Total: 23) |
|      | Th 7:30pm - 10:30pm         | PLS 1117          |

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**FGSM370****Science Diplomacy: Foreign Policy & Science, Technology, and Innovation**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in the Global Fellows Program; and permission of instructor.*

*An exploration of the critical roles scientific knowledge and technological innovation play in the formation and implementation of foreign policy issues, including energy and climate change, public health, space and innovation, and economic development.*

Also offered as HONR378D. Credit granted for FGSM370 or HONR378D.

|      |                                     |                   |
|------|-------------------------------------|-------------------|
| 0101 | Griffin Thompson, Jonathan Margolis | Seats (Total: 24) |
|      | W 5:00pm - 8:00pm                   | SQH 1101          |

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**FGSM380****Responses to Global Challenges**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in the Global Fellows Program; and permission of instructor.*

*An examination of global issues and responses primarily from the perspective of the practitioner. The focus will be on social, humanitarian, and human rights issues in different global contexts.*

Also offered as HONR378B. Credit granted for FGSM380 or HONR378B.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Rhoda Margesson   | Seats (Total: 24) |
|      | W 5:30pm - 8:30pm | SQH 1107          |

## FILM

## Film Studies

**Fall 2017**

### FILM245

#### Film Form and Culture

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HA      General Education: DSHU

*Restriction: Must not have completed ENGL245. Also offered as: ENGL245. Credit only granted for: CMLT214, CMLT245, ENGL245, or FILM245. Formerly: CMLT214.*

*Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.*

|      |                      |                   |            |  |
|------|----------------------|-------------------|------------|--|
| 0101 | Eric Zakim           | Seats (Total: 25) |            |  |
|      | MW 2:00pm - 2:50pm   | TWS 0320          |            |  |
|      | W 3:00pm - 5:30pm    | TWS 0320          | Lab        |  |
|      | F 10:00am - 10:50am  | TWS 0205          | Discussion |  |
| 0102 | Eric Zakim           | Seats (Total: 25) |            |  |
|      | MW 2:00pm - 2:50pm   | TWS 0320          |            |  |
|      | W 3:00pm - 5:30pm    | TWS 0320          | Lab        |  |
|      | F 11:00am - 11:50am  | TWS 1107          | Discussion |  |
| 0103 | Eric Zakim           | Seats (Total: 25) |            |  |
|      | MW 2:00pm - 2:50pm   | TWS 0320          |            |  |
|      | W 3:00pm - 5:30pm    | TWS 0320          | Lab        |  |
|      | F 12:00pm - 12:50pm  | TWS 0201          | Discussion |  |
| 0104 | Eric Zakim           | Seats (Total: 25) |            |  |
|      | MW 2:00pm - 2:50pm   | TWS 0320          |            |  |
|      | W 3:00pm - 5:30pm    | TWS 0320          | Lab        |  |
|      | F 1:00pm - 1:50pm    | TWS 1107          | Discussion |  |
| 0201 | Paul Cote            | Seats (Total: 30) |            |  |
|      | TuTh 2:00pm - 3:15pm | TWS 0320          |            |  |
|      | Tu 3:30pm - 6:00pm   | TWS 0320          | Lab        |  |

### FILM298B

#### Special Topics in International Film Studies; Iranian Cinema I

Credits: 3                      Grading Method: Regular

*Special topics in International Film.*

Also offered as PERS283. Credit granted for PERS283 or FILM283.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Ida Meftahi        | Seats (Total: 30) |
|      | MW 3:30pm - 4:45pm | KEY 0121          |

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**FILM301                      Cinema History I: The Silent Era**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENGL245, FILM245, SLLC283, or FILM283; or permission of ARHU-College of Arts & Humanities.*

*Examines the development of silent cinema from the 1890s to the early 1930s drawing on at least five distinct national traditions (French, German, Russian, British, and American). Introduces students to key cinematic conventions as they emerged around the world.*

|      |                     |                                    |
|------|---------------------|------------------------------------|
| 0101 | Elizabeth Papazian  | Seats (Total: 30)                  |
|      | M 10:00am - 11:50am | HBK 0302H                          |
|      | W 10:00am - 11:50am | HBK 0302H                      Lab |

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**FILM345                      The Films of Alfred Hitchcock**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENGL245, FILM245, SLLC283, or FILM283; or permission of ARHU-College of Arts & Humanities. Credit only granted for: FILM345 or ENGL329J.*

*An examination of important Hitchcock films from the perspective of innovation, aesthetics, and cultural history.*

Prerequisite: ENGL245, FILM245, FILM283, or SLLC283; or permission of department. Also offered as ENGL329J. Credit only granted for FILM345 or ENGL329J.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Marianne Conroy       | Seats (Total: 30) |
|      | TuTh 12:30pm - 1:45pm | TWS 1106          |

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**FILM359N                      Special Topics in Genres/Auteurs/Cinema Movements; World Science Fiction Film**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Examine narrative cinema from the perspective of content (themes, issues, structures) and style through the lens of genre, auteurship (a concept of authorship in film studies), and/or historical aesthetic movements that have been influential in the development of cinema as an art and film studies as a field. Content varies.*

Also offered as ARTH359N. Credit granted for ARTH389R or FILM359N. The course will examine important global science fiction films, with emphasis on films made by directors in Asia, Africa, Europe, and South America.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Jason Kuo              | Seats (Total: 25) |
|      | TuTh 11:00am - 12:15pm | HBK 0302J         |

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**FILM388      Experiential Learning: Film Studies**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail

*Connects students' theoretical understanding of film studies, as obtained through the classroom, to professional experience.*

**Contact department for information to register for this course.**

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**FILM419B      Special Topics in Documentary, Animation, Experimental Cinema, and Other Media**

Credits: 3      Grading Method: Regular

*Advanced studies in Documentary, Animation, Experimental Cinema, and Other Media. Examines the possibilities of non-narrative cinema, or cinema that is structured differently from the fiction feature film, as well as other media (television, digital imagery, and photography) that entertain a close relationship with cinema in terms of form, content, and audience. Content varies.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Paul Cote          | Seats (Total: 25) |
|      | MW 5:00pm - 7:00pm | TWS 0214          |

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**FILM419C      Special Topics in Documentary, Animation, Experimental Cinema, and Other Media; Post-1940 American Experimental Cinema**

Credits: 3      Grading Method: Regular

*Advanced studies in Documentary, Animation, Experimental Cinema, and Other Media. Examines the possibilities of non-narrative cinema, or cinema that is structured differently from the fiction feature film, as well as other media (television, digital imagery, and photography) that entertain a close relationship with cinema in terms of form, content, and audience. Content varies.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Matthew Noble-Olson  | Seats (Total: 25) |
|      | TuTh 3:30pm - 4:45pm | JMZ 2206          |

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**FILM420****French Cinema: A Cultural Approach (in Translation)**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Also offered as: FREN480. Credit only granted for: FREN480 or FILM420.*

*A study of French culture, civilization, and literature through the medium of film. Taught in English.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Caroline Eades       | Seats (Total: 25) |
|      | TuTh 3:30pm - 4:45pm | KNI 1103          |

**FILM429I****Special Topics in National/International Cinemas; Orientalism in Cinema**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Courses in National/International Cinemas may examine one or more national cinematic traditions (including Hollywood cinema), or may look across traditions comparatively, for example at international and/or transnational phenomena. Content varies.*

Also offered as FILM429I. Credit granted for ARTH488I or FILM429I. The course will use critical insights from cultural studies, psychoanalysis, post-colonialism, genre criticism, and feminism to examine the politically charged and ideologically biased cinematic representation of the peoples and cultures of North Africa and Asia.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Jason Kuo             | Seats (Total: 10) |
|      | TuTh 12:30pm - 1:45pm | HBK 0302J         |

**FILM469I****Special Topics in Film Theories II; Feminist Film and Media Theory**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics in film theories.*

Also offered as GERM449I and GERM689I. Credit granted for FILM469I, GERM449I, or GERM689I.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Hester Baer        | Seats (Total: 20) |
|      | Tu 2:00pm - 5:00pm | HBK 0302H         |
|      | Th 2:00pm - 3:15pm | HBK 0302H         |

**FILM499****Directed Study in Film Studies**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Readings and Research in Film Studies under faculty supervision.*



Contact department for information to register for this course.

**FIRE**

## **First-Year Innovation & Research Experience**

**Fall 2017**

**FIRE120**

### **FIRE SEMESTER 1**

Credits: 3

Grading Method: Regular

General Education: DSSP

*Additional information: This is the first course in the FIRE (First-Year Innovation & Research Experience) program sequence.*

*Engages the research process through the design, research, collaborative authorship and iterative review-based refinement of research proposals. Students find and analyze primary literature, think creatively, author and communicate research proposals in a scholarly fashion and work collaboratively to solve scientific and societal problems using technology, delegation and productive team communication.*

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Liang-Chun Wang<br>M 12:00pm - 12:50pm<br>Contact instructor or department for details.<br><i>This section restricted to BioFIRE students.</i> | Seats (Total: 36)<br>ATL 2339 |
| 0201 | Cristina Risco<br>F 11:00am - 11:50am<br>Contact instructor or department for details.   | Seats (Total: 36)<br>ATL 2339 |
| 0301 | Patrick Killion<br>M 2:00pm - 2:50pm<br>Contact instructor or department for details.  | Seats (Total: 36)<br>ATL 2339 |
| 0401 | Yun Choi<br>M 3:00pm - 3:50pm<br>Contact instructor or department for details.   | Seats (Total: 36)<br>ATL 2339 |
| 0501 | Jennifer German<br>M 4:00pm - 4:50pm<br>Contact instructor or department for details.  | Seats (Total: 36)<br>ATL 2339 |
| 0601 | Amy Stonelake<br>Tu 9:30am - 10:20am<br>Contact instructor or department for details.  | Seats (Total: 36)<br>ATL 2339 |
| 0701 | Emina Herovic<br>Th 9:30am - 10:20am<br>Contact instructor or department for details.  | Seats (Total: 36)<br>ATL 2339 |

|      |   |                   |            |
|------|---|-------------------|------------|
| 0801 | Vivek Advani  | Seats (Total: 36) |            |
|      | M 1:00pm - 1:50pm                                     | ATL 2339          |            |
|      | Contact instructor or department for details.         |                   |            |
|      | <i>This section restricted to BioFIRE students.</i>   |                   |            |
| 0901 | Nevine El-leithy                                      | Seats (Total: 36) |            |
|      | F 12:00pm - 12:50pm                                   | ATL 2339          |            |
|      | Contact instructor or department for details.         |                   |            |
| 1101 | Derrick Yeo   | Seats (Total: 36) |            |
|      | F 1:00pm - 1:50pm                                     | ATL 2339          |            |
|      | Contact instructor or department for details.         |                   |            |
| 1201 | Mohammad Fazelpour                                    | Seats (Total: 36) |            |
|      | F 2:00pm - 2:50pm                                     | ATL 2339          |            |
|      | Contact instructor or department for details.         |                   |            |
| 1301 | Kendall Bustad  | Seats (Total: 36) |            |
|      | F 3:00pm - 3:50pm                                     | ATL 2339          |            |
|      | Contact instructor or department for details.         |                   |            |
| 1401 | Kyungjin Yoo  | Seats (Total: 36) |            |
|      | F 4:00pm - 4:50pm                                     | ATL 2339          |            |
|      | Contact instructor or department for details.         |                   |            |
| FCH1 | Nevine El-leithy                                      | Seats (Total: 36) |            |
|      | Tu 6:00pm - 6:50pm                                    | ATL 2339          |            |
|      | Class time/details on ELMs                            | ONLINE            | Discussion |
|      | <i>Restricted to students in Freshmen Connection.</i> |                   |            |

## FIRE120H

### FIRE SEMESTER 1

Credits: 3

Grading Method: Regular

General Education: DSSP

*Additional information: This is the first course in the FIRE (First-Year Innovation & Research Experience) program sequence.*

*Engages the research process through the design, research, collaborative authorship and iterative review-based refinement of research proposals. Students find and analyze primary literature, think creatively, author and communicate research proposals in a scholarly fashion and work collaboratively to solve scientific and societal problems using technology, delegation and productive team communication.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Ian Page                                      | Seats (Total: 36) |
|      | M 11:00am - 11:50am                           | ATL 2339          |
|      | Contact instructor or department for details. |                   |

  

|      |   |                   |
|------|---|-------------------|
| 0201 | Ashley Nazario Toole                          | Seats (Total: 36) |
|      | W 10:00am - 10:50am                           | ATL 2339          |
|      | Contact instructor or department for details. |                   |

## FIRE250

### FIRE SEMESTER 3: Antibiotic Resistance

Credits: 3

Grading Method: Regular

General Education: DSSP

*Prerequisite: FIRE150.*

*FIRE SEMESTER 3 course for students in the FIRE program joining the Antibiotic Research research stream.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Liang-Chun Wang                               | Seats (Total: 35) |
|      | W 1:00pm - 1:50pm                             | ATL 2339          |
|      | Contact instructor or department for details. |                   |

## FIRE251

### FIRE SEMESTER 3: Sustainability Analytics

Credits: 3

Grading Method: Regular

General Education: DSSP

*Prerequisite: FIRE151.*

*FIRE SEMESTER 3 course for students in the FIRE program joining the Sustainability Analytics research stream.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Ian Page                                      | Seats (Total: 20) |
|      | Tu 11:00am - 11:50am                          | ATL 2339          |
|      | Contact instructor or department for details. |                   |

## FIRE253

### FIRE SEMESTER 3: Found In Translation

Credits: 3

Grading Method: Regular

General Education: DSSP

*Prerequisite: FIRE153.*

*FIRE SEMESTER 3 course for students in the FIRE program joining the Found In Translation research stream.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Vivek Advani                                  | Seats (Total: 35) |
|      | W 12:00pm - 12:50pm                           | ATL 2339          |
|      | Contact instructor or department for details. |                   |

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**FIRE254****FIRE SEMESTER 3: Risk Communication & Resilience**

Credits: 3

Grading Method: Regular

General Education: DSSP

*Prerequisite: FIRE154.**FIRE SEMESTER 3 course for students in the FIRE program joining the Risk Communication and Resilience research stream.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Emina Herovic                                 | Seats (Total: 35) |
|      | Tu 12:30pm - 1:20pm                           | ATL 2339          |
|      | Contact instructor or department for details. |                   |

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**FIRE255****FIRE SEMESTER 3: Terrapin Genome Project**

Credits: 3

Grading Method: Regular

General Education: DSSP

*Prerequisite: FIRE155.**FIRE SEMESTER 3 course for students in the FIRE program joining the Terrapin Genome Project research stream.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Amy Stonelake                                 | Seats (Total: 35) |
|      | W 2:00pm - 2:50pm                             | ATL 2339          |
|      | Contact instructor or department for details. |                   |

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**FIRE257****FIRE SEMESTER 3: Addiction Science**

Credits: 3

Grading Method: Regular

General Education: DSSP

*Prerequisite: FIRE157.**FIRE SEMESTER 3 course for students in the FIRE program joining the Addiction Science research stream.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Cristina Risco                                | Seats (Total: 35) |
|      | W 3:00pm - 3:50pm                             | ATL 2339          |
|      | Contact instructor or department for details. |                   |

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**FIRE260****FIRE SEMESTER 3: Transgenerational Brain Initiative**

Credits: 3

Grading Method: Regular

General Education: DSSP

*Prerequisite: FIRE160.**FIRE SEMESTER 3 course for students in the FIRE program joining the Transgenerational Brain Initiative research stream.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Yun Choi                                      | Seats (Total: 35) |
|      | W 4:00pm - 4:50pm                             | ATL 2339          |
|      | Contact instructor or department for details. |                   |

## FIRE263

### FIRE SEMESTER 3: Animal and Human Relationships

Credits: 3

Grading Method: Regular

General Education: DSSP

*Prerequisite: FIRE163.*

*FIRE SEMESTER 3 course for students in the FIRE program joining the Animal and Human Relationships research stream.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Bridget Makol   | Seats (Total: 20) |
|      | Th 11:00am - 11:50am  | ATL 2339          |
|      | Contact instructor or department for details.   |                   |
|      | <i>For students registering to be a part of the Human Relationships research team.</i>  |                   |
| 0201 | Bridget Makol   | Seats (Total: 15) |
|      | Th 11:00am - 11:50am  | ATL 2339          |
|      | Contact instructor or department for details.   |                   |
|      | <i>For students registering to be a part of the Animal Relationships research team.</i> |                   |

## FIRE264

### FIRE SEMESTER 3: Autonomous Unmanned Systems

Credits: 3

Grading Method: Regular

General Education: DSSP

*Prerequisite: FIRE164.*

*FIRE SEMESTER 3 course for students in the FIRE program joining the Autonomous Unmanned Systems research stream.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Derrick Yeo                                   | Seats (Total: 40) |
|      | Tu 3:30pm - 4:20pm                            | ATL 2339          |
|      | Contact instructor or department for details. |                   |

## FIRE265

### FIRE SEMESTER 3: Designing Innovations

Credits: 3

Grading Method: Regular

General Education: DSSP

*Prerequisite: FIRE165.*

*FIRE SEMESTER 3 course for students in the FIRE program joining the Designing Innovations research stream.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Mohammad Fazelpour                            | Seats (Total: 35) |
|      | Th 12:30pm - 1:20pm                           | ATL 2339          |
|      | Contact instructor or department for details. |                   |

## **FIRE266 FIRE SEMESTER 3: Evolution of Sex Differences**

Credits: 3      Grading Method: Regular      General Education: DSSP

*Prerequisite: FIRE166.*

*FIRE SEMESTER 3 course for students in the FIRE program joining the Evolution of Exaggerated Traits research stream.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Ashley Nazario Toole                          | Seats (Total: 35) |
|      | Th 2:00pm - 2:50pm                            | ATL 2339          |
|      | Contact instructor or department for details. |                   |

## **FIRE267 FIRE SEMESTER 3: Felons not Families**

Credits: 3      Grading Method: Regular      General Education: DSSP

*Prerequisite: FIRE167.*

*FIRE SEMESTER 3 course for students in the FIRE program joining the Felons not Families research stream.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Kendall Bustad                                | Seats (Total: 18) |
|      | Tu 2:00pm - 2:50pm                            | ATL 2339          |
|      | Contact instructor or department for details. |                   |

## **FIRE270 FIRE SEMESTER 3: Phillips Virtual Culture**

Credits: 3      Grading Method: Regular      General Education: DSSP

*Prerequisite: FIRE170.*

*FIRE SEMESTER 3 course for students in the FIRE program joining the Phillips Virtual Culture research stream.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Kyungjin Yoo                                  | Seats (Total: 40) |
|      | Th 3:30pm - 4:20pm                            | ATL 2339          |
|      | Contact instructor or department for details. |                   |

Credits: 3

Grading Method: Regular

General Education: DSHS,  
DVCC

*Students will explore, define, and study global health, social determinants of health, health inequalities, gender inequality, family violence, and maternal and child health using a global perspective.*

|  |                        |                    |
|--|------------------------|--------------------|
| 0101   | Elisabeth Maring       | Seats (Total: 100) |
|  | TuTh 11:00am - 12:15pm | CCC 1100           |
| <i>Restricted to CPSP Global Public Health students.</i> |                        |                    |

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## FMSC111

### Credit Cards and College Students

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit

*Recommended: Moderate level of computer literacy, especially Internet and ELMS. Reliable computer and Internet access. Credit only granted for: FMSC111, FMSC341 or FMSC498D. Formerly: FMSC498D.*

*Provides college students with factual information about basic money management skills, emphasizing the responsible use of credit, specifically credit cards. Topics will include financial goals, spending plan, wise use of credit, debt management, consumer credit protection, and ID Theft. Online lessons will include video clips and interactive class activities. Students will learn the basics to build a strong financial future.*

|   |   |                   |
|---|---|-------------------|
| FCW1  | Towanda Street                                    | Seats (Total: 36) |
|   | <b>Meets October 15, 2017 - December 11, 2017</b> |                   |
|   | Class time/details on ELMS                        | ONLINE            |
| <i>Restricted to students in Freshmen Connection.</i> |   |                   |

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## FMSC170

### Future of Families: Issues and Controversies

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSHS,  
SCIS

*Credit only granted for: FMSC170 or FMSC298F. Formerly: FMSC298F.*

*Examination of current trends and controversial issues in family life, including issues of marriage, reproductive technologies, adoption, child custody, remarriage, and marital violence.*

|   |                             |                   |
|---|-----------------------------|-------------------|
| FC01  | Kimberly Van Putten-Gardner | Seats (Total: 50) |
|   | TuTh 3:00pm - 4:15pm        | ESJ 1215          |
| <i>Restricted to students in Freshmen Connection.</i> |                             |                   |

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**FMSC190****Man Up! Where Are The Fathers?**

Credits: 3

Grading Method: Regular

General Education: DSHS,  
SCIS

*An examination of changing fatherhood roles, health, and inequality in diverse families. Focus will be on masculinities and disparities among men by race and class; provider role expectations; and trauma and violence faced by men in contemporary society.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Kevin Roy            | Seats (Total: 80) |
|      | TuTh 3:30pm - 4:45pm | BPS 1250          |

**FMSC260****Couple Relationships**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSHS

*Credit only granted for: FMSC260 or FMST260. Formerly: FMST260.*

*Couple relationships and their alternatives in contemporary dating, courtship and marriage.*

Restricted to Majors or non-majors with less than or equal to 60 credits.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Elise Resnick         | Seats (Total: 65) |
|      | TuTh 12:30pm - 1:45pm | KEB 1110          |

**FMSC290****Family Economics**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: FMSC290 or FMST290. Formerly: FMST290.*

*Application of economic methodology to study families under various economic situations. Examination of how decisions about marriage, divorce, fertility, consumption and time use are influenced by labor/housing markets, tax structure, social welfare benefits and other economic considerations.*

Restricted to Majors or non-majors with less than or equal to 60 credits.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Manouchehr Mokhtari  | Seats (Total: 65) |
|      | TuTh 5:00pm - 6:15pm | SPH 1312          |

**FMSC302****Research Methods in Family Science**

Credits: 3

Grading Method: Regular,  
Pass-Fail, AuditGeneral Education: DSHS,  
DSSP



*Prerequisite: Must have completed an introductory statistics course. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC302 or FMST302. Formerly: FMST302.*

*Introduction to the methods of the social and behavioral sciences employed in family science. The role of theory, the development of hypotheses, measurement, design, and data analysis.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Ryan Blick            | Seats (Total: 75) |
|      | TuTh 9:30am - 10:45am | SPH 1303          |

## **FMSC310 Maternal, Child and Family Health**

Credits: 3      Grading Method: Regular,  
Pass-Fail

*Credit only granted for: FMSC310, FMSC410 or FMSC498A. Formerly: FMSC498A and FMSC410. Additional information: A comprehensive understanding of maternal, child, and family health, with additional emphasis on environmental health, needs assessment and evaluation, enabling students to more effectively address issues in the workplace.*

*Overview of the major issues in Maternal, Child, and Family Health in the U.S. and the world. The course will cover the social, political, environmental, and economic factors that shape the health of women, children, and families throughout the life course. It will employ the core disciplines of public health -- 1) epidemiology/biostatistics, 2) environmental health, 3) health policy and administration, and 4) social and behavioral health -- to examine these factors. The course introduces specific issues and interventions and places these issues and interventions within their broad sociohistorical context.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Diana Cassar-Uhl           | Seats (Total: 45) |
|      | Class time/details on ELMs | ONLINE            |
| 0201 | Yassaman Vafai             | Seats (Total: 45) |
|      | TuTh 11:00am - 12:15pm     | SPH 1302          |
| 0301 | Marie Thoma                | Seats (Total: 45) |
|      | MWF 10:00am - 10:50am      | SPH 1302          |
| SG91 | Alyssa Brooks              | Seats (Total: 30) |
|      | M 5:15pm - 7:45pm          | BLD3 3240         |

## **FMSC330 Family Theories and Patterns**

Credits: 3      Grading Method: Regular,  
Audit      General Education: DSHS,  
DVUP

*Restriction: Junior standing or higher. Credit only granted for: FMSC330 or FMST330. Formerly: FMST330.*

*Theory and research on the family, including a cross-cultural analysis of family patterns.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Robyn Zeiger           | Seats (Total: 60) |
|      | TuTh 9:30am - 10:45am  | SPH 1301          |
| 0201 | Elise Resnick          | Seats (Total: 60) |
|      | TuTh 2:00pm - 3:15pm   | EGR 1108          |
| 0301 | Mia A Smith-Bynum      | Seats (Total: 60) |
|      | TuTh 11:00am - 12:15pm | SPH 1301          |

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### **FMSC332 Children in Families**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: DSHS

*Prerequisite: PSYC100 or FMSC105. Credit only granted for: FMSC332 or FMST332. Formerly: FMST332.*

*A family life education approach to the study of children and families. Emphasis on the interaction of children with parents, siblings, extended kin, and the community.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Amy Lewin              | Seats (Total: 65) |
|      | TuTh 11:00am - 12:15pm | SPH 1303          |
| 0201 | Deirdre Quinn          | Seats (Total: 65) |
|      | MWF 12:00pm - 12:50pm  | SPH 1303          |
| 0301 | Christine Schull       | Seats (Total: 65) |
|      | MW 8:00am - 8:50am     | SPH 1301          |
|      | F 8:00am - 8:50am      | ONLINE            |

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### **FMSC341 Personal and Family Finance**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: DSSP

*Credit only granted for: FMSC341 or FMST341. Formerly: FMST341.*

*Individual and family financial strategies with emphasis on financial planning, savings, investments, insurance, income taxes, housing, and use of credit. Planning, analyzing, and controlling financial resources to resolve personal/family financial problems and to attain financial security.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Manouchehr Mokhtari        | Seats (Total: 60) |
|      | TuTh 6:30pm - 7:45pm       | SPH 1312          |
| 0201 | William Knight             | Seats (Total: 49) |
|      | Class time/details on ELMs | ONLINE            |

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**FMSC381 Poverty, Affluence, and Families**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit, D      General Education: DSHS, DVUP

*Prerequisite: SOCY100 or SOCY105. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC381 or FMST381. Formerly: FMST381.*

*Social, political, cultural and economic factors influencing income and wealth in American families.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Kevin Roy            | Seats (Total: 50) |
|      | MWF 9:00am - 9:50am  | SPH 1302          |
| 0201 | Laura Golojuch       | Seats (Total: 50) |
|      | TuTh 3:30pm - 4:45pm | SPH 1303          |

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**FMSC383 Delivery of Human Services to Families**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Prerequisite: FMSC330. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC383 or FMST383. Formerly: FMST383.*

*Processes of service delivery with special emphasis upon relationships among managers, service providers and clients. The impact of human service systems on families.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Allyson Pakstis       | Seats (Total: 65) |
|      | MWF 11:00am - 11:50am | SPH 1301          |

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**FMSC399 Independent Study**

(Perm req)

Credits: 1-6      Grading Method: Regular, Pass-Fail, Audit

**Contact department for information to register for this course.**

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**FMSC430 Gender Issues in Families**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      , D

*Prerequisite: SOCY100, SOCY105, or PSYC100. Also offered as: WMST430. Credit only granted for: FMSC430, FMST430, or WMST430. Formerly: FMST430.*

*The development of historical, cultural, developmental, and psychosocial aspects of masculinity and femininity within the context of contemporary families and the implications for interpersonal relations.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Samuel Allen           | Seats (Total: 45) |
|      | TuTh 11:00am - 12:15pm | CCC 1111          |

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**FMSC431                      Family Crises and Intervention**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC100. Credit only granted for: FMSC431 or FMST431. Formerly: FMST431.*

*Family crises such as divorce, disability, substance abuse, financial problems, intra-familial abuse, and death. Theories and techniques for intervention and enhancement of family coping strategies.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Robyn Zeiger          | Seats (Total: 65) |
|      | TuTh 12:30pm - 1:45pm | SPH 1301          |

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**FMSC432                      Adult Development and Aging in Families**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC100; and (SOCY100 or SOCY105). And FMSC332; or must have completed a comparable development course. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC432 or FMST432. Formerly: FMST432.*

*Theory, research, history, and programming related to adult development and aging in the intergenerational context of family.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Mona Mittal           | Seats (Total: 40) |
|      | MWF 10:00am - 10:50am | SPH 0302          |
| 0201 | Mona Mittal           | Seats (Total: 40) |
|      | MWF 12:00pm - 12:50pm | SPH 0302          |

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**FMSC460                      Violence in Families**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: DSHS,  
DVUP

*Prerequisite: SOCY100, SOCY105, or PSYC100. Credit only granted for: FMSC460 or FMST460.  
Formerly: FMST460.*

*Theories of child, spouse, and elder abuse in the family setting. Emphasis on historical, psychological, sociological and legal trends relating to physical, emotional, and sexual abuse. Introduction to methods for prevention and remediation.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Christine Schull    | Seats (Total: 65) |
|      | MWF 9:00am - 9:50am | SPH 1301          |

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**FMSC477                      Internship and Analysis in Family Science**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: FMSC383; and 9 credits in FMSC courses; and permission of SPHL-Family Science department. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC477, FMST347, or FMST477. Formerly: FMST477.*

*A supervised internship and a seminar requiring analysis. Opportunities to integrate theory and practice including 120 hours of contracted field experience. Summer or fall internship contracts due May 1; Spring contracts due December 1. See department for application procedures.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Kecia Ellick                                  | Seats (Total: 50) |
|      | W 3:30pm - 5:00pm                             | SPH 0302          |
|      | Contact instructor or department for details. |                   |

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**FMSC487                      Legal Aspects of Family Problems**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: FMSC487 or FMST487. Formerly: FMST487.*

*Laws and legal procedures, with emphasis on adoption, marriage, divorce, annulment, and property rights, and how they affect family life.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Kerry Tripp           | Seats (Total: 55) |
|      | TuTh 9:30am - 10:45am | SPH 1302          |
| 0201 | Kerry Tripp           | Seats (Total: 55) |
|      | TuTh 12:30pm - 1:45pm | SPH 1303          |

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**FMSC498****Special Topics: Family Science; Family Studies**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail

*Special course topics in family studies.*

**Contact department for information to register for this course.**

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**FMSC498H****Special Topics: Family Science; Family Studies Honors Thesis**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Special course topics in family studies.*

**Contact department for information to register for this course.**

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**FMSC498T****Special Topics: Family Science; Independent Study-Coding of Couple Therapy**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special course topics in family studies.*

|   |                |                   |
|---|----------------|-------------------|
| 0101  | Norman Epstein | Seats (Total: 10) |
| Contact instructor or department for details. |                |                   |

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**FMSC606****Ethnic Families and Health Disparities**

Credits: 3      Grading Method: Regular,  
Audit

*Credit only granted for: FMSC606 or FMST606. Formerly: FMST606.*

*Historical, psychosocial, economic, and political factors influencing the structure and functioning of ethnic families. Overview of racial and ethnic health disparities over the life course and ways in which they are influenced by multi-level contextual factors.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Mia A Smith-Bynum  | Seats (Total: 15) |
|      | Th 2:00pm - 4:45pm | Location: TBA     |

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**FMSC640****Family Therapy: Theory and Techniques**

Credits: 3      Grading Method: Regular,  
Audit

*Credit only granted for: FMSC640 or FMST640. Formerly: FMST640.*

*Overview of fundamental theoretical concepts and clinical procedures in marital and family therapy, with an emphasis on those therapies which operate from a family systems perspective.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Patricia Barros     | Seats (Total: 11) |
|      | M 10:00am - 12:45pm | Location: TBA     |

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**FMSC650 Ethical, Legal, and Professional Principles in Marriage and Family Therapy**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: Permission of SPHL-Family Science department. Restriction: Must be in Couple and Family Therapy (Master's) program. Credit only granted for: FMSC650 or FMST650. Formerly: FMST650.*

*An introduction to the basic principles and practices of family therapy Emphasis on basic therapy skills applied to a family context and on professional ethics of the family practitioner. Addresses therapist's legal responsibilities and liabilities, certification, and licensure issues.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Norman Epstein      | Seats (Total: 25) |
|      | Tu 9:00am - 11:45am | Location: TBA     |

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**FMSC652 Diagnosis and Treatment of Mental and Emotional Disorders in Family Systems**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: FMSC651. Restriction: Must be in Couple and Family Therapy (Master's) program. Credit only granted for: FMSC652 or FMST652. Formerly: FMST652.*

*Systematic assessment, diagnosis, and treatment of mental and emotional disorders in couples and families. Utilization and critique of the current Diagnostic Statistical Manual Disorders (DSM).*

|      |  |                   |
|------|--|-------------------|
| 0101 | Leigh Leslie                           | Seats (Total: 20) |
|      | Tu 9:00am - 11:45am                    | Location: TBA     |
|      | <i>Class will be held in SPH0142X.</i> |                   |

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**FMSC658 Supervised Clinical Practice of Marriage and Family Therapy**

(Perm req)

Credits: 1-2                      Grading Method: Regular,  
Audit

*The supervision of marriage and family therapy client contact. Various family systems models of supervision applied via extant methods, including live, videotaped, and audiotaped.*

*Prerequisite: FMST 650 and permission of instructor.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Norman Epstein     | Seats (Total: 20) |
|      | W 9:00am - 12:00pm | Location: TBA     |

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**FMSC660      Program Planning and Evaluation in Family Science**

Credits: 3      Grading Method: Regular,  
Audit

*Credit only granted for: FMSC660 or FMST660. Formerly: FMST660.*

*Theory and methods of program planning and evaluation with special emphasis on family programs. Assessment of program goals and the social and psychological factors involved in program implementation. Methods for measuring the effectiveness of program delivery, as well as the impact of services on family functioning.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Amy Lewin         | Seats (Total: 15) |
|      | M 1:00pm - 3:45pm | Location: TBA     |

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**FMSC689      Research Internship**

(Perm req)

Credits: 3      Grading Method: Regular

*Research experience resulting in a scholarly article suitable for publication in a peer-reviewed journal.*

**Contact department for information to register for this course.**

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**FMSC698      Advanced Topics in Family Science**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

*Arranged group study on specific topic which may vary from term to term.*

Must have written permission of faculty member and chairperson.

**Contact department for information to register for this course.**

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**FMSC698B      Advanced Topics in Family Science; Emerging Mental Health Issues in Family Therapy**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Arranged group study on specific topic which may vary from term to term.*

Contact department for information to register for this course.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Norman Epstein    | Seats (Total: 10) |
|      | M 1:00pm - 3:45pm | Location: TBA     |



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**FMSC699****Independent Study**

(Perm req)

Credits: 1-6

Grading Method: Regular,  
Audit**Contact department for information to register for this course.**

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**FMSC745****Gender and Ethnicity in Family Therapy and Service Delivery**

Credits: 3

Grading Method: Regular,  
Audit*Credit only granted for: FMSC745 or FMST745. Formerly: FMST745.**Major critiques of sources of racial, cultural, and gender bias in marital and family therapy and family service delivery. Addresses these issues in program development and clinical practice.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Leigh Leslie       | Seats (Total: 15) |
|      | F 9:00am - 11:45am | Location: TBA     |

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**FMSC789****Non-Thesis Research**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Audit*Non-thesis option research papers.***Contact department for information to register for this course.**

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**FMSC799****Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular

Must have written permission of faculty member and chairperson.

**Contact department for information to register for this course.**

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**FMSC879****Preparing Future Faculty and Professionals Seminar**

Credits: 1

Grading Method: Regular

*Development of skills necessary to obtain and succeed in academic and non-academic positions in family science and public health. Topics include: career mapping, networking, teaching/teaching portfolios, independent research, publishing, grant writing, program and policy evaluation, consulting, job search, interviewing and negotiation, mentoring, diversity, work-family balance, and ethical issues in the workplace. Periodic visits to universities and government/nonprofit employers.*

Development of skills necessary to obtain and succeed in academic and non-academic positions in family science and public health.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Sandra Quinn      | Seats (Total: 30) |
|      | W 1:00pm - 1:50pm | Location: TBA     |

### FMSC898 Pre-Candidacy Research

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

### FMSC899 Doctoral Dissertation Research

(Perm req)

Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

## FREN French

Fall 2017

### FREN103 Intensive Elementary French

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed FREN102; and must not be a native/fluent speaker of French. Credit only granted for: FREN102 or FREN103.*

*Covers speaking, reading, writing, listening, and culture of French-speaking world.*

|      |                            |                   |
|------|----------------------------|-------------------|
| BL01 | Leandra Cormier            | Seats (Total: 25) |
|      | MW 10:00am - 10:50am       | JMZ 1122          |
|      | F 10:00am - 10:50am        | WDS 1130          |
|      | Class time/details on ELMs | ONLINE            |
| BL02 | Leandra Cormier            | Seats (Total: 25) |
|      | MWF 11:00am - 11:50am      | JMZ 0118          |
|      | Class time/details on ELMs | ONLINE            |
| BL03 | Elizabeth Robinson         | Seats (Total: 25) |
|      | MWF 12:00pm - 12:50pm      | JMZ 1122          |
|      | Class time/details on ELMs | ONLINE            |

### FREN203 Intensive Intermediate French

Credits: 4 Grading Method: Regular, Pass-Fail, Audit CORE: HO

*Prerequisite: FREN103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN201 or FREN203.*

*Covers speaking, reading, writing, listening, and culture of French-speaking world.*

|      |   |   |
|------|---|---|
| BL01 | Julie Ledon<br>MWF 9:00am - 9:50am<br>Class time/details on ELMs          | Seats (Total: 25)<br>JMZ 2123<br>ONLINE |
| BL02 | Hannah Wegmann<br>MWF 11:00am - 11:50am<br>Class time/details on ELMs     | Seats (Total: 25)<br>JMZ 2123<br>ONLINE |
| BL03 | Cae Joseph-Massena<br>MWF 12:00pm - 12:50pm<br>Class time/details on ELMs | Seats (Total: 25)<br>JMZ 3205<br>ONLINE |
| BL04 | Cae Joseph-Massena<br>MWF 1:00pm - 1:50pm<br>Class time/details on ELMs   | Seats (Total: 25)<br>JMZ 3205<br>ONLINE |

## FREN204

### French Grammar and Composition

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO

*Prerequisite: FREN201 or FREN203; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to native/fluent speakers of French.*

*Intensive study of French grammar and composition.*

|      |   |   |
|------|---|---|
| BL01 | Francesca Roth<br>MWF 10:00am - 10:50am<br>Class time/details on ELMs | Seats (Total: 25)<br>JMZ 2120<br>ONLINE |
| BL02 | Francesca Roth<br>MWF 11:00am - 11:50am<br>Class time/details on ELMs | Seats (Total: 25)<br>JMZ 2120<br>ONLINE |

## FREN211

### French Reading and Conversation

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO

*Prerequisite: FREN201 or FREN203. Restriction: Must not be a native/fluent speaker of French.*

*Practice in spoken French at intermediate level based on readings in a variety of genres. Written homework and exams.*

**Contact department for information to register for this course.**

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**FREN250 Introduction to Cultural and Textual Analysis**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: HL                      General Education: DSHU

*Prerequisite: FREN204; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN250 or FREN250H.*

*Introduction to cultural and textual analysis of selected readings from various genres in French literature. Taught in French.*

Also offered as FREN 250H.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Morgan McMahon        | Seats (Total: 25) |
|      | MWF 10:00am - 10:50am | JMZ 0125          |
| 0201 | Morgan McMahon        | Seats (Total: 25) |
|      | MWF 11:00am - 11:50am | JMZ 1122          |

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**FREN250H Introduction to Cultural and Textual Analysis**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: HL                      General Education: DSHU

*Prerequisite: FREN204; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN250 or FREN250H.*

*Introduction to cultural and textual analysis of selected readings from various genres in French literature. Taught in French.*

For general honors students only. Also offered as FREN 250.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Morgan McMahon        | Seats (Total: 25) |
|      | MWF 10:00am - 10:50am | JMZ 0125          |
| 0201 | Morgan McMahon        | Seats (Total: 25) |
|      | MWF 11:00am - 11:50am | JMZ 1122          |

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**FREN269F Special Topics in Study Abroad II; French Conversation I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**FREN269G Special Topics in Study Abroad II; French Conversation**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**FREN269P Special Topics in Study Abroad II; Perspectives on Contemporary France**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**FREN301 Composition and Style**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: FREN250; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French.*

*Grammatical analysis, elements of style; range of written genres.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Charlee Redman        | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | JMZ 1215          |
| 0201 | Carol Mossman         | Seats (Total: 20) |
|      | MW 2:00pm - 3:15pm    | JMZ 2206          |

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**FREN301H Composition and Style**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: FREN250; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French.*

*Grammatical analysis, elements of style; range of written genres.*

|      |                    |                  |
|------|--------------------|------------------|
| 0201 | Carol Mossman      | Seats (Total: 1) |
|      | MW 3:30pm - 4:45pm | JMZ 3118         |

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**FREN303 Translation: English to French**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department.*

*Practicum in translation primarily from English to French; contrastive analysis.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Catherine Favier-Kelly | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | JMZ 2123          |
| 0201 | Elena Lozinsky         | Seats (Total: 20) |
|      | Tu 11:00am - 12:15pm   | JMZ 0125          |
|      | Th 11:00am - 12:15pm   | LEF 1171          |

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**FREN306 Commercial French I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department.*

*Introduction to commercial French including correspondence and business terminology. Emphasis on cross-cultural concepts needed for successful interaction within business settings. Taught in French.*

**Contact department for information to register for this course.**

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**FREN311 Advanced Oral Expression**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: FREN250; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French.*

*Linguistic and thematic analysis of written, audio, and visual texts. Focus on aural and oral skills. Some written assignments and evaluation.*

**Contact department for information to register for this course.**

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**FREN312****France Today**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French.*

*Analysis and discussion of current events and institutions using various French media resources.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Herve Campagne       | Seats (Total: 25) |
|      | TuTh 2:00pm - 3:15pm | JMZ 3205          |

**FREN351****From Romanticism to the Age of Modernism and Beyond**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department.*

*A survey of the chief authors and major movements of French literature from Pre-Romanticism to the present.*

Also offered as FREN 351H.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Caroline Eades      | Seats (Total: 25) |
|      | Tu 12:30pm - 1:45pm | JMZ 0208          |
|      | Th 12:30pm - 1:45pm | JMZ 0208          |

**FREN351H****From Romanticism to the Age of Modernism and Beyond**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department.*

*A survey of the chief authors and major movements of French literature from Pre-Romanticism to the present.*

Also offered as FREN351.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Caroline Eades      | Seats (Total: 25) |
|      | Tu 12:30pm - 1:45pm | JMZ 0208          |
|      | Th 12:30pm - 1:45pm | JMZ 0208          |

**FREN352**      **From the Age of Epic and Romance to the Enlightenment**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department.*

*A survey of the chief authors and major movements of French literature from the Middle Ages to the end of the 18th century.*

**Contact department for information to register for this course.**

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**FREN369F**      **Special Topics in Study Abroad III; Third Year French I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**FREN369G**      **Special Topics in Study Abroad III; Third-Year French II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**FREN369Y**      **Special Topics in Study Abroad III; Fourth-Year French I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**FREN386**      **Experiential Learning**

(Perm req)                      Credits: 3-6                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department.*  
*Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

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**FREN389B**      **Critical Writing on France and the French-Speaking World; Dreams, Demons and the Fantastic**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit



*Intensive writing course based on focused study of issues and concerns drawn from French and Francophone literatures, films, and cultures. Elements of style, review of grammar.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Erica Cefalo       | Seats (Total: 25) |
|      | MW 3:30pm - 4:45pm | JMZ 0205          |

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**FREN399 Directed Study in French**

(Perm req)

Credits: 1-3      Grading Method: Regular

*Advanced undergraduates develop syllabus, reading list, and course requirements with interested faculty member. Designed for in-depth study of material not offered in regular courses or as expansion of course material. To be planned during semester preceding registration.*

Supervised work under professor of student's choice with permission of instructor. Contact department for details.

**Contact department for information to register for this course.**

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**FREN399A Directed Study in French**

Credits: 3      Grading Method: Regular

*Advanced undergraduates develop syllabus, reading list, and course requirements with interested faculty member. Designed for in-depth study of material not offered in regular courses or as expansion of course material. To be planned during semester preceding registration.*

**Contact department for information to register for this course.**

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**FREN401 Writing with Style**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: FREN301; or permission of ARHU-School of Languages, Literatures, and Cultures department.*

*Advanced composition and stylistic analysis.*

**Contact department for information to register for this course.**

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**FREN480 French Cinema: A Cultural Approach (in Translation)**

Credits: 3      Grading Method: Regular,      General Education: DSHU  
Pass-Fail, Audit

*Also offered as: FILM420. Credit only granted for: FREN480 or FILM420.*

*A study of French culture, civilization, and literature through the medium of film. Taught in English.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Caroline Eades       | Seats (Total: 25) |
|      | TuTh 3:30pm - 4:45pm | KNI 1103          |

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**FREN488Z      Special Topics in Francophone Studies; Literature and Film from French-Speaking Africa and the Caribbean**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topic and language of instruction to be announced when offered.*

Prerequisites: FREN 301 and FREN 351/352 French 488 considers the historical, literary and cinematic evolution of Francophone literature and films of Africa, the Maghreb and the Caribbean.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Valerie Orlando    | Seats (Total: 25) |
|      | MW 2:00pm - 3:15pm | JMZ 2123          |

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**FREN495H      Honors Thesis Research**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be admitted to the departmental honors program.*

*The writing of a paper under the direction of a professor in this department and an oral examination. Required to fulfill the departmental honors requirement.*

**Contact department for information to register for this course.**

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**FREN499      Special Topics in French Studies**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*An aspect of French studies, the specific topic to be announced each time the course is offered.*

**Contact department for information to register for this course.**

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**FREN499X      Special Topics in French Studies; Directed Study in French**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*An aspect of French studies, the specific topic to be announced each time the course is offered.*

**Contact department for information to register for this course.**

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**FREN629B      Special Topic in Sixteenth Century French Literature; Theater in 16th and 17th Century France**

Credits: 3                      Grading Method: Regular,  
Audit

"In this course we will study tragedy and comedy in sixteenth and seventeenth century France, in connection with the development of a culture that more generally favored eloquence, conversation, and various forms of theatrical expression. Authors include Corneille, Racine, Molière and Rotrou. Taught in French."

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Herve Campagne     | Seats (Total: 10) |
|      | Th 4:30pm - 7:15pm | JMZ 2123          |

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**FREN659A      Special Topic in Nineteenth Century French Literature; Sexualities in the Nineteenth-Century French Novel**

Credits: 3                      Grading Method: Regular,  
Audit

French 659 will explore the theme of sexuality as it is articulated in the nineteenth-century novel. The nineteenth-century sees the rise of feminism as well as a gay/lesbian collective awareness alongside the emergence of tendentious studies by the medical establishment of transgressive sexualities. The novel is an ideal vehicle through which to articulate cultural anxieties related to sexuality, among other issues. French 659 will proceed chronologically, moving through the major literary movements of the nineteenth century.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Carol Mossman     | Seats (Total: 10) |
|      | W 4:30pm - 7:15pm | JMZ 1226          |

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**FREN798      Master's Independent Study**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**FREN799      Master's Thesis Research**

Credits: 1-6                      Grading Method: Regular

**Contact department for information to register for this course.**

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**FREN889      Doctoral Independent Study**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**FREN898      Pre-Candidacy Research**

Credits: 1-8                      Grading Method: Regular

Contact department for information to register for this course.

**FREN899**

**Doctoral Dissertation Research**

(Perm req)

Credits: 6

Grading Method: Regular

Contact department for information to register for this course.

**GEMS**

**Gemstone**

**Fall 2017**

**GEMS100**

**Freshman Honors Colloquium: Introduction to Gemstone**

Credits: 1

Grading Method: Regular

*Restriction: Freshman standing; and must be in the Gemstone program.*

*Orienting new Gemstone students to the university and to the program through a variety of team building activities, resources, and skill exploration exercises. Students will also examine and discuss areas such as liberal education, diversity, service, arts, current events, academic integrity, and leadership style.*

These classes are scheduled in the Ellicott building.

|      |  |                                |
|------|--|--------------------------------|
| 0101 | Leah Kreimer Tobin, Kristan Skendall<br>Tu 2:00pm - 3:15pm   | Seats (Total: 16)<br>ELL 0102  |
| 0102 | Leah Kreimer Tobin, Kristan Skendall<br>Tu 4:45pm - 6:00pm   | Seats (Total: 16)<br>ELL 0102  |
| 0103 | Kristan Skendall, Leah Kreimer Tobin<br>W 10:00am - 11:15am  | Seats (Total: 12)<br>ELL 0100D |
| 0104 | Leah Kreimer Tobin, Kristan Skendall<br>W 12:30pm - 1:45pm   | Seats (Total: 16)<br>ELL 0102  |
| 0105 | Leah Kreimer Tobin, Kristan Skendall<br>W 2:00pm - 3:15pm    | Seats (Total: 12)<br>ELL 0100D |
| 0106 | Kristan Skendall, Leah Kreimer Tobin<br>W 3:30pm - 4:45pm    | Seats (Total: 12)<br>ELL 0100A |
| 0107 | Leah Kreimer Tobin, Kristan Skendall<br>W 4:45pm - 6:00pm    | Seats (Total: 12)<br>ELL 0100D |
| 0108 | Leah Kreimer Tobin, Kristan Skendall<br>Th 10:30am - 11:45am | Seats (Total: 16)<br>ELL 0102  |

|      |   |                                |
|------|---|--------------------------------|
| 0111 | Leah Kreimer Tobin, Kristan Skendall<br>Th 4:30pm - 5:45pm  | Seats (Total: 12)<br>ELL 0100A |
| 0112 | Kristan Skendall, Leah Kreimer Tobin<br>Th 5:00pm - 6:15pm  | Seats (Total: 12)<br>ELL 0100D |
| 0114 | Leah Kreimer Tobin, Kristan Skendall<br>F 11:15am - 12:30pm | Seats (Total: 16)<br>ELL 0102  |
| 0115 | Leah Kreimer Tobin, Kristan Skendall<br>F 1:30pm - 2:45pm   | Seats (Total: 12)<br>ELL 0100D |

## GEMS202

### Team Dynamics and Research Methodology

Credits: 2

Grading Method: Regular

General Education: DSSP

*Prerequisite: GEMS100, GEMS102, and GEMS104. Corequisite: GEMS296. Restriction: Must be in the Gemstone program; and sophomore standing or higher.*

*This experiential course is designed to foster an understanding of effective team dynamics and basic research methodology. It will teach skills applicable to Gemstone team research and the writing of a team thesis. Upperclass Gemstone students serve as discussion facilitators. Students participate in their Gemstone teams and develop a draft of their team thesis proposal.*

|      |  |                                |
|------|--|--------------------------------|
| 0101 | Kristan Skendall, Frank Coale<br>Tu 5:00pm - 6:30pm<br>Contact instructor or department for details. | Seats (Total: 168)<br>EGR 1202 |
|------|--|--------------------------------|

## GEMS208A

### Special Topics in Leadership and Team Development; Team Dynamics and Research Methodology: First Time Section Leader

Credits: 1-3

Grading Method: Regular

*Principles, methods and types of leadership and team development with a emphasis on group discussion and decision making. Reading, discussion and exploration of the basic team concept, communications for winning scenarios, goal setting, problem solving, conflict resolution and research methods.*

Restriction: Must be in the Gemstone program.

|      |   |                   |
|------|---|-------------------|
| 0101 | Kristan Skendall<br>Contact instructor or department for details. | Seats (Total: 12) |
|------|---|-------------------|

## GEMS208B

### Special Topics in Leadership and Team Development; Team Dynamics and Research Methodology: Returner Section Leader

Credits: 1-3      Grading Method: Regular

*Principles, methods and types of leadership and team development with a emphasis on group discussion and decision making. Reading, discussion and exploration of the basic team concept, communications for winning scenarios, goal setting, problem solving, conflict resolution and research methods.*

Restriction: Must be in the Gemstone program.

|   |                  |                   |
|---|------------------|-------------------|
| 0101  | Kristan Skendall | Seats (Total: 12) |
| Contact instructor or department for details. |                  |                   |

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**GEMS208C      Special Topics in Leadership and Team Development; Introduction to Gemstone: First Time Section Leader**

Credits: 1-3      Grading Method: Regular,  
Audit

*Principles, methods and types of leadership and team development with a emphasis on group discussion and decision making. Reading, discussion and exploration of the basic team concept, communications for winning scenarios, goal setting, problem solving, conflict resolution and research methods.*

Restriction: Must be in the Gemstone program. These classes are scheduled in the Ellicott building.

|   |                                      |                   |
|---|--------------------------------------|-------------------|
| 0101  | Leah Kreimer Tobin, Kristan Skendall | Seats (Total: 15) |
| Contact instructor or department for details. |                                      |                   |

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**GEMS208D      Special Topics in Leadership and Team Development; Introduction to Gemstone: Returner Section Leader**

Credits: 1-3      Grading Method: Regular,  
Audit

*Principles, methods and types of leadership and team development with a emphasis on group discussion and decision making. Reading, discussion and exploration of the basic team concept, communications for winning scenarios, goal setting, problem solving, conflict resolution and research methods.*

Restriction: Must be in the Gemstone program. These classes are scheduled in the Ellicott building.

|   |                                      |                   |
|---|--------------------------------------|-------------------|
| 0101  | Leah Kreimer Tobin, Kristan Skendall | Seats (Total: 10) |
| Contact instructor or department for details. |                                      |                   |

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**GEMS208E      Special Topics in Leadership and Team Development; GEMS Connect**

Credits: 1-3      Grading Method: Regular,  
Audit

*Principles, methods and types of leadership and team development with a emphasis on group discussion and decision making. Reading, discussion and exploration of the basic team concept, communications for winning scenarios, goal setting, problem solving, conflict resolution and research methods.*

Restriction: Must be in the Gemstone program.

|      |   |                   |
|------|---|-------------------|
| 0101 | Jessica Lee                                   | Seats (Total: 30) |
|      | Contact instructor or department for details. |                   |

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## **GEMS208L      Special Topics in Leadership and Team Development; GEMS GSC Executive Board**

Credits: 1-3      Grading Method: Regular,  
Audit

*Principles, methods and types of leadership and team development with a emphasis on group discussion and decision making. Reading, discussion and exploration of the basic team concept, communications for winning scenarios, goal setting, problem solving, conflict resolution and research methods.*

|      |   |                  |
|------|---|------------------|
| 0101 | Jessica Lee                                   | Seats (Total: 6) |
|      | Contact instructor or department for details. |                  |

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## **GEMS296      Team Project Seminar I**

Credits: 1      Grading Method: Regular

*Prerequisite: GEMS100, GEMS102, and GEMS104. Corequisite: GEMS202. Restriction: Must be in the Gemstone program with sophomore standing in a research team.*

*This is the first of six seminars during which Gemstone students carry out multidisciplinary research with the guidance of a faculty mentor. The teams develop their working relationship, start their literature search, define their research question, and set short & long term goals.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Matthias Zwicker    | Seats (Total: 12) |
|      | Tu 6:30pm - 7:30pm  | MTH 0401          |
| 0102 | Kevin Knapstein     | Seats (Total: 12) |
|      | Th 7:00pm - 7:50pm  | Location: TBA     |
|      | Tu 6:30pm - 7:30pm  | MTH 0302          |
| 0103 | Mohamad Al-Sheikhly | Seats (Total: 12) |
|      | M 1:00pm - 1:50pm   | Location: TBA     |

|      |   |   |
|------|---|---|
| 0104 | Jose Aranda-Espinoza<br>F 3:00pm - 3:50pm<br>Tu 8:00pm - 9:00pm   | Seats (Total: 12)<br>EGR 3138<br>Location: TBA      |
| 0105 | Joanna Goger<br>Th 8:00am - 9:00am<br>Tu 6:30pm - 7:30pm          | Seats (Total: 12)<br>SYM 0215<br>MTH 0403           |
| 0106 | Bao Yang<br>Tu 6:30pm - 7:20pm<br>W 5:00pm - 5:50pm               | Seats (Total: 12)<br>Location: TBA<br>HBK 0125      |
| 0107 | Ashok Agrawala<br>Tu 6:40pm - 7:40pm<br>W 5:00pm - 5:50pm         | Seats (Total: 12)<br>EGR 3111<br>Location: TBA      |
| 0108 | Margret Bjarnadottir, Sean Barnes<br>W 3:00pm - 3:50pm            | Seats (Total: 12)<br>Location: TBA                  |
| 0109 | Anil Deane<br>M 5:00pm - 5:50pm                                   | Seats (Total: 12)<br>Location: TBA                  |
| 0110 | Lester Schultheis<br>W 3:00pm - 3:50pm<br>Tu 6:30pm - 7:30pm      | Seats (Total: 12)<br>Location: TBA<br>Location: TBA |
| 0111 | David Akin<br>Tu 3:30pm - 4:30pm<br>Th 5:30pm - 6:30pm            | Seats (Total: 12)<br>Location: TBA<br>KEY 0100      |
| 0113 | Kristan Skendall<br>Contact instructor or department for details. | Seats (Total: 5)                                    |

## GEMS297

### Team Project Seminar II

Credits: 2

Grading Method: Regular

*Restriction: Must be in the Gemstone program with sophomore standing in a research team.*

*This is the second of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team develops its website, prepares and presents its research proposal and begins its research project.*



|      |   |                  |
|------|---|------------------|
| 0113 | Kristan Skendall                              | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

## GEMS396

### Team Project Seminar III

Credits: 2

Grading Method: Regular

*Prerequisite: GEMS297. Restriction: Must be in the Gemstone program with junior standing in a research team.*

*This is the third of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team presents its progress at the Gemstone Colloquia.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Robert Newcomb       | Seats (Total: 14) |
|      | Th 5:00pm - 5:50pm   | Location: TBA     |
|      | Th 6:00pm - 6:50pm   | Location: TBA     |
| 0102 | Stephen Penny        | Seats (Total: 14) |
|      | Tu 8:00am - 9:00am   | Location: TBA     |
|      | Th 5:30pm - 6:30pm   | ESJ 1212          |
| 0103 | Kaye Brubaker        | Seats (Total: 14) |
|      | Tu 11:00am - 11:50am | MTH 0403          |
|      | F 12:00pm - 12:50pm  | MTH 0106          |
| 0104 | Min Ouyang           | Seats (Total: 14) |
|      | M 6:30pm - 7:30pm    | PHY 4222          |
|      | Tu 5:00pm - 5:50pm   | Location: TBA     |
| 0105 | Ryan Sochol          | Seats (Total: 14) |
|      | W 5:00pm - 5:50pm    | Location: TBA     |
|      | Th 7:00pm - 7:50pm   | SQH 1107          |
| 0106 | Debabrata Biswas     | Seats (Total: 14) |
|      | Tu 5:00pm - 5:50pm   | ATL 1109          |
|      | Th 5:00pm - 5:50pm   | JMZ 1117          |
| 0107 | Kennedy Paynter      | Seats (Total: 14) |
|      | MW 1:00pm - 1:50pm   | Location: TBA     |
| 0108 | Jin-Oh Hahn          | Seats (Total: 14) |
|      | M 8:00pm - 8:50pm    | JMZ 1103          |
|      | W 6:30pm - 7:30pm    | Location: TBA     |

|      |   |  |
|------|---|--|
| 0109 | David Akin<br>M 5:15pm - 6:30pm<br>Th 3:15pm - 4:30pm             | Seats (Total: 14)<br>LEF 1201<br>Location: TBA |
| 0110 | Michael Binder<br>TuTh 6:15pm - 7:15pm                            | Seats (Total: 14)<br>Location: TBA             |
| 0111 | Pamela Abshire<br>Tu 5:15pm - 6:15pm<br>F 10:00am - 10:50am       | Seats (Total: 14)<br>EGR 1102<br>MTH 0102      |
| 0112 | Kristan Skendall<br>Tu 2:00pm - 2:50pm<br>F 10:00am - 10:50am     | Seats (Total: 14)<br>MCK 2105<br>EGR 3102      |
| 0113 | Kristan Skendall<br>Contact instructor or department for details. | Seats (Total: 5)                               |

## GEMS397

### Team Project Seminar IV

Credits: 2                      Grading Method: Regular

*Prerequisite: GEMS396. Restriction: Must be in the Gemstone program with junior standing in a research team.*

*This is the fourth of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team further develops its website. Also they will prepare and present the team project in the poster session of Undergraduate Research Day.*

|      |   |                  |
|------|---|------------------|
| 0113 | Kristan Skendall<br>Contact instructor or department for details. | Seats (Total: 5) |
|------|---|------------------|

## GEMS496

### Project Writing Seminar

Credits: 2                      Grading Method: Regular

*Prerequisite: GEMS397. Restriction: Must be in the Gemstone program.*

*This is the fifth of six seminars during which Gemstone students carry out research with the guidance of a faculty mentor. The team finishes the analysis of their data and writes and edits its team thesis.*

|      |   |   |
|------|---|---|
| 0101 | Anil Deane<br>M 4:00pm - 4:50pm<br>Tu 6:30pm - 7:30pm | Seats (Total: 14)<br>Location: TBA<br>Location: TBA |
|------|---|---|

|      |   |   |
|------|---|---|
| 0102 | Siddhartha Das<br>Th 5:30pm - 7:30pm  | Seats (Total: 14)<br>EGR 0151                       |
| 0103 | David Zajic<br>Tu 6:30pm - 7:30pm<br>Th 6:30pm - 7:30pm                               | Seats (Total: 14)<br>ESJ B0320<br>ESJ B0320         |
| 0104 | William Bentley<br>W 7:00pm - 8:50pm<br>Contact instructor or department for details. | Seats (Total: 14)<br>ESJ B0320                      |
| 0105 | Nam Sun Wang<br>W 5:30pm - 6:30pm<br>F 1:00pm - 1:50pm                                | Seats (Total: 14)<br>HBK 1112<br>HBK 1112           |
| 0106 | Andrew Ristvey<br>M 6:30pm - 7:30pm<br>Th 6:30pm - 7:30pm                             | Seats (Total: 14)<br>PLS 1172<br>PLS 2107           |
| 0107 | Bryan Quinn<br>MTu 8:00am - 8:50am  | Seats (Total: 14)<br>AVW 1318                       |
| 0108 | Ben Woodard<br>WF 8:00am - 8:50am   | Seats (Total: 14)<br>Location: TBA                  |
| 0109 | Steven Jay<br>MW 8:00am - 8:50am  | Seats (Total: 14)<br>JMZ 0118                       |
| 0110 | Debabrata Biswas<br>M 8:00am - 8:50am<br>M 5:00pm - 5:50pm                            | Seats (Total: 14)<br>Location: TBA<br>Location: TBA |
| 0111 | Mark Fuge<br>F 1:00pm - 1:50pm<br>M 6:00pm - 6:50pm                                   | Seats (Total: 14)<br>Location: TBA<br>EGR 3106      |
| 0112 | Yanjin Zhang<br>Tu 9:30am - 10:30am<br>Th 9:30am - 10:30am                            | Seats (Total: 14)<br>Location: TBA<br>BPS 1232      |
| 0113 | Kristan Skendall<br>Contact instructor or department for details.                     | Seats (Total: 3)                                    |

**GEMS497****Team Thesis Defense**

Credits: 2

Grading Method: Regular

General Education: DSSP

*Prerequisite: GEMS396. Restriction: Must be in the Gemstone program.**Gemstone teams will complete the team research project and thesis. The team will formally present the thesis to experts in the area of interest at a Team Thesis Conference before final submission.*

|   |                  |                  |
|---|------------------|------------------|
| 0113  | Kristan Skendall | Seats (Total: 5) |
| Contact instructor or department for details. |                  |                  |

**GEOG Geographical Sciences****Fall 2017****GEOG110****The World Today: Global Perspectives**

Credits: 3

Grading Method: Regular,  
Pass-Fail, AuditGeneral Education: DSHS,  
DVUP*The most critical issue facing the world today is the sustainability of both human and physical systems in the 21st century. This class uses the context of regions of the world to explore the 21st century issues of climate change, development, politics, economy, and demography. Each region will be used to highlight aspects of sustainability.*

|   |                    |                   |
|---|--------------------|-------------------|
| FC01  | Rachel Berndtson   | Seats (Total: 40) |
|   | MW 4:30pm - 5:45pm | KEY 0116          |
| <i>Restricted to students in Freshmen Connection.</i> |                    |                   |

**GEOG130****Developing Countries**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: SB, D

General Education: DSHS,  
DSSP*An introduction to the geographic characteristics of the development problems and prospects of developing countries. Spatial distribution of poverty, employment, migration and urban growth, agricultural productivity, rural development, policies and international trade. Portraits of selected developing countries.*

|      |                      |                     |
|------|----------------------|---------------------|
| 0201 | Ronald Luna          | Seats (Total: 24)   |
|      | MW 11:00am - 11:50am | LEF 2205            |
|      | F 9:00am - 9:50am    | LEF 1201 Discussion |
| 0202 | Ronald Luna          | Seats (Total: 24)   |
|      | MW 11:00am - 11:50am | LEF 2205            |
|      | Th 9:30am - 10:20am  | LEF 1220 Discussion |

|      |  |  |            |
|------|--|--|------------|
| 0203 | Ronald Luna<br>MW 11:00am - 11:50am<br>Th 9:30am - 10:20am                                       | Seats (Total: 24)<br>LEF 2205<br>ESJ B0320 | Discussion |
| 0204 | Ronald Luna<br>MW 11:00am - 11:50am<br>Th 11:00am - 11:50am                                      | Seats (Total: 24)<br>LEF 2205<br>ESJ B0320 | Discussion |
| 0205 | Ronald Luna<br>MW 11:00am - 11:50am<br>Th 11:00am - 11:50am                                      | Seats (Total: 24)<br>LEF 2205<br>JMZ 1124  | Discussion |
| 0206 | Ronald Luna<br>MW 11:00am - 11:50am<br>F 10:00am - 10:50am                                       | Seats (Total: 24)<br>LEF 2205<br>ATL 1114  | Discussion |
| 0207 | Ronald Luna<br>MW 11:00am - 11:50am<br>F 9:00am - 9:50am   | Seats (Total: 24)<br>LEF 2205<br>LEF 1221  | Discussion |
| 0208 | Ronald Luna<br>MW 11:00am - 11:50am<br>F 10:00am - 10:50am                                       | Seats (Total: 24)<br>LEF 2205<br>ESJ B0320 | Discussion |
| 0209 | Ronald Luna<br>MW 11:00am - 11:50am<br>F 11:00am - 11:50am                                       | Seats (Total: 24)<br>LEF 2205<br>ATL 1114  | Discussion |
| 0210 | Ronald Luna<br>MW 11:00am - 11:50am<br>F 11:00am - 11:50am                                       | Seats (Total: 24)<br>LEF 2205<br>ESJ B0320 | Discussion |
| FC01 | Ronald Luna<br>TuTh 4:30pm - 5:45pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 60)<br>MMH 1400              |            |

## GEOG140

## Natural Disasters: Earthquakes, Floods, and Fires

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: PS

General Education: DSNS,  
SCIS

*Catastrophic Environmental Events (CCE) that are becoming more common i this time of global environmental change and it is essential that today's students be equipped with the knowledge and skills to be leaders as we, as a society, understand the upheaval that these CCEs are causing. Students will examine how CEEs shape human society and ecosystem from the interdisciplinary perspective afforded by the field of Geography. Students will use the latest geographic science concepts and techniques in exploring these events. Using satellite imagery they will gain a multi-scale perspective of the ecological and societal aspects of the events.*

|      |   |   |            |
|------|---|---|------------|
| 0101 | Keith Yearwood<br>MW 1:00pm - 1:50pm<br>F 9:00am - 9:50am   | Seats (Total: 25)<br>LEF 2205<br>EDU 3236 | Discussion |
| 0102 | Keith Yearwood<br>MW 1:00pm - 1:50pm<br>F 10:00am - 10:50am                                       | Seats (Total: 25)<br>LEF 2205<br>LEF 1201 | Discussion |
| 0103 | Keith Yearwood<br>MW 1:00pm - 1:50pm<br>Th 11:00am - 11:50am                                      | Seats (Total: 25)<br>LEF 2205<br>CHM 0124 | Discussion |
| 0104 | Keith Yearwood<br>MW 1:00pm - 1:50pm<br>F 11:00am - 11:50am                                       | Seats (Total: 25)<br>LEF 2205<br>LEF 1201 | Discussion |
| 0105 | Keith Yearwood<br>MW 1:00pm - 1:50pm<br>Th 9:30am - 10:20am                                       | Seats (Total: 25)<br>LEF 2205<br>EGR 1102 | Discussion |
| 0106 | Keith Yearwood<br>MW 1:00pm - 1:50pm<br>Th 9:30am - 10:20am                                       | Seats (Total: 25)<br>LEF 2205<br>LEF 1222 | Discussion |
| FC01 | Keith Yearwood<br>MW 6:00pm - 7:15pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 59)<br>TYD 2109             |            |

## GEOG170

## Introduction to Methods of Geospatial Intelligence and Analysis

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: MS

General Education: DSNS

*Introduction to technical methods used in gathering, analyzing, and presenting geospatial information, addressing the needs of geospatial analysis, such as environmental monitoring, situational awareness, disaster management, and human systems. Topics include basics of locational reference systems, map projections, satellite and airborne remote sensing, global positioning systems, geographic information systems, cartography, and introductory statistics and probability. The course is a gateway to more advanced technical classes in geoinformatics.*

|   |                      |                    |
|---|----------------------|--------------------|
| 0101  | Grant McKenzie       | Seats (Total: 240) |
|   | TuTh 4:00pm - 5:15pm | LEF 2205           |
| FC01  | Rachel Marks         | Seats (Total: 24)  |
|   | TuTh 7:30pm - 8:45pm | HBK 0123           |
| <i>Restricted to students in Freshmen Connection.</i> |                      |                    |

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## **GEOG201      Geography of Environmental Systems**

Credits: 3      Grading Method: Regular,      General Education: DSNL (if  
Pass-Fail, Audit      taken with GEOG211)

*A systematic introduction to the processes and associated forms of the atmosphere and earth's surfaces emphasizing the interaction between climatology, hydrology and geomorphology.*

|      |                                |                    |
|------|--------------------------------|--------------------|
| 0101 | Joshua Wayland, Keith Yearwood | Seats (Total: 240) |
|      | TuTh 9:30am - 10:45am          | ESJ 0202           |

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## **GEOG211      Geography of Environmental Systems Laboratory**

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have completed or be concurrently enrolled in GEOL 120, GEOL 100, or GEOG 201.*

*A laboratory course to accompany GEOG 201. Analysis of the components of the earth's energy balance using basic instrumentation; weather map interpretation; soil analysis; the application of map and air photo interpretation techniques to landform analysis.*

This is a 2 hr, 1 credit lab which parallels GEOG 201; Required for GEOG majors; optional for non-majors.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Joshua Wayland             | Seats (Total: 24) |
|      | Class time/details on ELMs | ONLINE      Lab   |
| 0201 | Joshua Wayland             | Seats (Total: 24) |
|      | Class time/details on ELMs | ONLINE      Lab   |

|      |                            |                   |     |
|------|----------------------------|-------------------|-----|
| 0301 | Joshua Wayland             | Seats (Total: 24) |     |
|      | Class time/details on ELMs | ONLINE            | Lab |
| 0401 | Joshua Wayland             | Seats (Total: 24) |     |
|      | Class time/details on ELMs | ONLINE            | Lab |
| 0501 | Joshua Wayland             | Seats (Total: 24) |     |
|      | Class time/details on ELMs | ONLINE            | Lab |
| 0601 | Lei Ma                     | Seats (Total: 24) |     |
|      | Class time/details on ELMs | ONLINE            | Lab |
| 0701 | Lei Ma                     | Seats (Total: 24) |     |
|      | Class time/details on ELMs | ONLINE            | Lab |
| 0801 | Lei Ma                     | Seats (Total: 24) |     |
|      | Class time/details on ELMs | ONLINE            | Lab |
| 0901 | Lei Ma                     | Seats (Total: 24) |     |
|      | Class time/details on ELMs | ONLINE            | Lab |
| 1001 | Lei Ma                     | Seats (Total: 24) |     |
|      | Class time/details on ELMs | ONLINE            | Lab |

## **GEOG212**

(Perm req)

### **Career Planning for Geographical Sciences, GIS, and ENSP Majors**

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in one of the following programs (Geography; GEOG-GIS & Computer Cartography).*

*Increase student knowledge of professional development opportunities in Geographical Sciences through classroom activities and invited speakers, and to build awareness of career development tools and strategies.*

|      |                    |                   |     |
|------|--------------------|-------------------|-----|
| 0101 | Amanda Hall        | Seats (Total: 30) |     |
|      | M 11:00am - 1:00pm | LEF 2208          | Lab |

## **GEOG306**

### **Introduction to Quantitative Methods for the Geographic Environmental Sciences**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: FSAR



*Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, JOUR405, PSYC200 or SOCY201. (These courses do not necessarily meet the same major requirements-check with your advisor to see which of these courses will count for your major).*

*Essentials in the quantitative analysis of spatial and other data, with a particular emphasis on statistics and programming. Topics include data display, data description and summary, statistical inference and significance tests, analysis of variance, correlation, regression, and some advanced concepts, such as matrix methods, principal component analysis, and spatial statistics. Students will develop expertise in data analysis using advanced statistical software.*

Students must pay a \$40.00 laboratory materials fee.

|  |                     |                   |     |
|--|---------------------|-------------------|-----|
| 0101   | Naijun Zhou         | Seats (Total: 25) |     |
|  | MW 9:00am - 9:50am  | LEF 1158          |     |
|  | W 11:00am - 1:00pm  | LEF 1136          | Lab |
| 0102   | Naijun Zhou         | Seats (Total: 25) |     |
|  | MW 9:00am - 9:50am  | LEF 1158          |     |
|  | Tu 11:00am - 1:00pm | LEF 1136          | Lab |
| <i>Restriction: Open to GEOG, GIS, &amp; ENSP-Coastal, Land Use, Global majors only.</i> |                     |                   |     |

## GEOG330

### **As the World Turns: Society and Sustainability in a Time of Great Change**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSHS, DVUP, SCIS

*Credit only granted for: GEOG330, GEOG360, or GEOG362. Formerly: GEOG362.*

*Cultural geography course on society and sustainability. Culture is the basic building block that is key to sustainability of societies. Course will cover sustainability of societies on different scales, examining local, regional, and worldwide issues. Sustainability will be examined as a key element of environmental sustainability. How societies adjust to rapid world change will be examined as a positive and/or negative factor in sustainability.*

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Rachel Berndtson     | Seats (Total: 25) |            |
|      | MW 12:00pm - 12:50pm | ESJ 2208          |            |
|      | F 2:00pm - 2:50pm    | ESJ 1309          | Discussion |
| 0102 | Rachel Berndtson     | Seats (Total: 25) |            |
|      | MW 12:00pm - 12:50pm | ESJ 2208          |            |
|      | F 9:00am - 9:50am    | ESJ 1309          | Discussion |

|      |   |   |            |
|------|---|---|------------|
| 0103 | Rachel Berndtson<br>MW 12:00pm - 12:50pm<br>F 11:00am - 11:50am | Seats (Total: 25)<br>ESJ 2208<br>ESJ 1309 | Discussion |
| 0104 | Rachel Berndtson<br>MW 12:00pm - 12:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 25)<br>ESJ 2208<br>ESJ 1309 | Discussion |
| 0105 | Rachel Berndtson<br>MW 12:00pm - 12:50pm<br>F 10:00am - 10:50am | Seats (Total: 22)<br>ESJ 2208<br>ESJ 1309 | Discussion |
| 0106 | Rachel Berndtson<br>MW 12:00pm - 12:50pm<br>F 1:00pm - 1:50pm   | Seats (Total: 25)<br>ESJ 2208<br>ESJ 1309 | Discussion |

## GEOG332

### Economic Geography

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: GEOG203, GEOG303, or GEOG332. Formerly: GEOG303.*

*Principles of managing scarce resources in a world where everyone faces tradeoffs across both time and space. Focuses on the relationship between globalization processes and changing patterns of locational advantages, production, trade, population, socioeconomic and environmental grace and sustainability.*

|      |   |   |            |
|------|---|---|------------|
| 0101 | Joshua Wayland<br>MW 4:00pm - 4:50pm<br>F 9:00am - 9:50am   | Seats (Total: 25)<br>LEF 2205<br>JMZ 1124 | Discussion |
| 0102 | Joshua Wayland<br>MW 4:00pm - 4:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 25)<br>LEF 2205<br>LEF 1201 | Discussion |
| 0103 | Joshua Wayland<br>MW 4:00pm - 4:50pm<br>F 1:00pm - 1:50pm   | Seats (Total: 25)<br>LEF 2205<br>LEF 1201 | Discussion |
| 0104 | Joshua Wayland<br>MW 4:00pm - 4:50pm<br>F 10:00am - 10:50am | Seats (Total: 25)<br>LEF 2205<br>LEF 1222 | Discussion |

**GEOG372****Remote Sensing**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Principles of remote sensing in relation to photographic, thermal infrared and radar imaging. Methods of obtaining quantitative information from remotely-sensed images. Interpretation of remotely-sensed images emphasizing the study of spatial and environmental relationships.*

Students must pay a \$40.00 laboratory materials fee.

|  |                       |                   |
|--|-----------------------|-------------------|
| 0101   | Petr Potapov          | Seats (Total: 25) |
|  | TuTh 9:30am - 10:45am | LEF 1158          |
|  | F 9:00am - 11:00am    | LEF 1136 Lab      |
| 0102   | Petr Potapov          | Seats (Total: 25) |
|  | TuTh 9:30am - 10:45am | LEF 1158          |
|  | F 11:00am - 1:00pm    | LEF 1136 Lab      |
| <i>Restriction: Open to GEOG, GIS, &amp; ENSP-Coastal, Land Use, Global majors only.</i> |                       |                   |

**GEOG373****Geographic Information Systems**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Characteristics and organization of geographic data; creation and use of digital geospatial databases; metadata; spatial data models for thematic mapping and map analysis; use of geographic information system in society, government, and business. Practical training with use of advanced software and geographic databases.*

Students must pay a \$40.00 laboratory materials fee.

|  |                      |                   |
|--|----------------------|-------------------|
| 0101   | Naijun Zhou          | Seats (Total: 25) |
|  | MW 10:00am - 10:50am | TYD 2109          |
|  | F 9:00am - 11:00am   | LEF 1138 Lab      |
| <i>Restriction: Open to GEOG, GIS, &amp; ENSP-Coastal, Land Use, Global majors only.</i> |                      |                   |
| 0102   | Naijun Zhou          | Seats (Total: 25) |
|  | MW 10:00am - 10:50am | TYD 2109          |
|  | F 1:00pm - 3:00pm    | LEF 1136 Lab      |
| 0103   | Naijun Zhou          | Seats (Total: 25) |
|  | MW 10:00am - 10:50am | TYD 2109          |
|  | Th 1:00pm - 3:00pm   | LEF 1136 Lab      |

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**GEOG384 Internship in Geography I**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail*Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and (ENGL393 or ENGL390).**Restriction: Must be in Geography program.**Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.*

|   |            |                   |
|---|------------|-------------------|
| 0101  | Allen Eney | Seats (Total: 25) |
| Contact instructor or department for details. |            |                   |

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**GEOG384H Internship in Geography I**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail*Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and (ENGL393 or ENGL390).**Restriction: Must be in Geography program.**Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.*

|   |            |                   |
|---|------------|-------------------|
| 0101  | Allen Eney | Seats (Total: 10) |
| Contact instructor or department for details. |            |                   |

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**GEOG385 Internship in Geography II**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit*Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and must have completed a Junior (Professional) English course. Restriction: Must be in Geography program.**Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.*

|   |            |                   |
|---|------------|-------------------|
| 0101  | Allen Eney | Seats (Total: 25) |
| Contact instructor or department for details. |            |                   |

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**GEOG385H Internship in Geography II**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and must have completed a Junior (Professional) English course. Restriction: Must be in Geography program.*

*Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.*

0101

Allen Eney

Seats (Total: 10)

Contact instructor or department for details.

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### **GEOG398**

#### **Special Topics in Geography**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*An introductory course dealing with special topics in geography.*

**Contact department for information to register for this course.**

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### **GEOG398H**

#### **Special Topics in Geography**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*An introductory course dealing with special topics in geography.*

0101

Grant McKenzie

Seats (Total: 1)

Contact instructor or department for details.

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### **GEOG416**

#### **Conceptualizing and Modeling Human-Environmental Interactions**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Permission of BSOS-Geography department. Or GEOG306, STAT100, MATH107, or MATH111; and (GEOG201 and GEOG202); and (GEOG331 or GEOG330). Corequisite: MATH130, MATH140, or MATH120; or MATH220. Credit only granted for: GEOG416 or GEOG498N. Formerly: GEOG498N.*

*Develops skills to carry out research that integrates environmental and economic aspects of sustainability by introducing extensively used quantitative tools for analyzing human-environmental interactions in the field of ecological economics. These include, e.g., index number calculations and decomposition analysis, Environmental Kuznets Curve (EKC), environmental input-output analysis and life-cycle analysis, and multi-criteria decisions aid (MCDA). Students will need laptops to run models during class.*

Restriction: Open to GEOG, GIS, & ENSP-Coastal, Land Use, Global majors only.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Kuishuang Feng       | Seats (Total: 25) |
|      | TuTh 2:00pm - 3:15pm | LEF 1220          |

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**GEOG418**      **Field and Laboratory Techniques in Environmental Science**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Lecture and laboratory learning each week. A variable credit course tha introduces field and laboratory analyses in environmental science. Individual learning contract are developed with instructor.*

Lecture and laboratory learning each week. A variable credit course that introduces field and laboratory analyses in environmental science. Individual learning contract are developed with instructor. Students must pay a \$300.00 lab fee.

|      |   |                   |
|------|---|-------------------|
| 0101 | Ralph Dubayah                                 | Seats (Total: 25) |
|      | Contact instructor or department for details. |                   |

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**GEOG422**      **Changing Geographies of Sub-Saharan Africa**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Permission of BSOS-Geography department. Or GEOG201; and GEOG202; and (GEOG335 or GEOG333). Recommended: GEOG130 or GEOG110. Credit only granted for: GEOG328C, GEOG422. Formerly: GEOG328C.*

*Students will develop an understanding of the geographic contexts of SubSaharan Africa, including an overview of the physical, bioclimatic, historical, cultural, political, demographic, health and economic geographies of Sub-Saharan Africa. Students will fill in the map of Africa by studying the spatial distribution within each of these geographic domains. In addition to an overview of geography South of the Sahara, the Congo will be taken as a more intensive case study through additional readings, lectures and discussions.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Matthew Hansen       | Seats (Total: 25) |
|      | TuTh 3:30pm - 4:45pm | LEF 2166          |

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**GEOG423**      **Latin America**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Permission of BSOS-Geography department. Or GEOG201 and GEOG202; and (GEOG332, GEOG435, or GEOG333). Recommended: GEOG130 and GEOG110. Credit only granted for: GEOG313 or GEOG423. Formerly: GEOG313.*

*A geography of Latin America and the Caribbean in the contemporary world: political and cultural regions, population and natural resource distribution, economic and social development, poverty, crime, urbanization, migration trends, and natural disasters.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Ronald Luna            | Seats (Total: 25) |
|      | TuTh 11:00am - 12:15pm | LEF 1201          |

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#### **GEOG431      Culture and Natural Resource Management**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: GEOG421 or GEOG431. Formerly: GEOG421.*

*Basic issues concerning the natural history of humans from the perspective of the geographer. Basic components of selected behavioral and natural systems, their evolution and adaptation, and survival strategies.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Martha Geores          | Seats (Total: 25) |
|      | TuTh 11:00am - 12:15pm | LEF 1158          |

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#### **GEOG432      Spatial Econometrics**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Permission of BSOS-Geography department. Or GEOG201; and GEOG202; and GEOG306; and GEOG332. Also offered as: GEOG732. Credit only granted for: GEOG498E, GEOG432, GEOG788E, GEOG732. Formerly: GEOG498E.*

*An introduction to modern econometric techniques in general and spatial econometrics in particular, using the popular open source statistical computer language R. A focus on using statistical computing to produce analytical reports for real-world applications, research papers, and dissertations.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Laixiang Sun       | Seats (Total: 24) |
|      | Tu 3:30pm - 6:00pm | LEF 1171          |

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#### **GEOG442      Biogeography and Environmental Change**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GEOG301. And GEOG201 and GEOG211; or permission of BSOS-Geography department. Also offered as: GEOG642. Credit only granted for: GEOG642, GEOG442, GEOG447, or GEOG484. Formerly: GEOG447.*

*Biogeographical topics of global significance, including a consideration of measurement techniques, and both descriptive and mechanistic modeling. Topics may include: scale in biogeography, biodiversity, carbon geography, climate and vegetation, interannual variability in the biosphere, land cover, global biospheric responses to climate change, NASA's Mission to Planet Earth and Earth Observation System. The class focuses on both natural and anthropogenic controls, impacts of biogeography on climate and ecosystem services and different methods in biogeography.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | George Hurtt          | Seats (Total: 30) |
|      | TuTh 12:30pm - 1:45pm | TYD 2109          |

## **GEOG475 Computer Cartography**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GEOG373 and GEOG306. Credit only granted for: GEOG471 or GEOG475. Formerly: GEOG471.*

*Advanced skills of computer mapping using more sophisticated software packages. Map projection evaluation and selection, coordinate system conversion, techniques of quantitative thematic mapping, map design and generalization, hypermedia and animated cartography. Emphasis on designing and making cartographically sound sophisticated thematic maps.*

Students must pay a \$40.00 laboratory materials fee.

|  |                    |                                   |
|--|--------------------|-----------------------------------|
| 0101   | Kathleen Stewart   | Seats (Total: 25)                 |
|  | MW 3:00pm - 3:50pm | LEF 1158                          |
|  | F 11:00am - 1:00pm | LEF 1138                      Lab |
| 0102   | Kathleen Stewart   | Seats (Total: 25)                 |
|  | MW 3:00pm - 3:50pm | LEF 1158                          |
|  | F 1:00pm - 3:00pm  | LEF 1138                      Lab |
| <i>Restriction: Open to GEOG, GIS, &amp; ENSP-Coastal, Land Use, Global majors only.</i> |                    |                                   |

## **GEOG476 Object-Oriented Computer Programming for GIS**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit



*Prerequisite: GEOG373 and GEOG376; or permission of BSOS-Geography department. And must have completed MATH220; or must have completed or be concurrently enrolled in MATH120, MATH130, or MATH140. Restriction: Must be in Geography program; or must be in GIS minor. Credit only granted for: GEOG498G or GEOG476. Formerly: GEOG498G.*

*Expands on conceptual and practical aspects of programming for geographic applications. The main focus of this course is to provide students more advanced programming in object oriented programming languages (i.e. Python). In addition, students will develop a proficiency in applying these advanced programming principles to manipulating spatial data sources within the Geographic Information Systems (GIS).*

Students must pay a \$40.00 laboratory materials fee.

|  |                     |                   |
|--|---------------------|-------------------|
| 0101   | Federico Iuricich   | Seats (Total: 25) |
|  | MW 9:00am - 9:50am  | LEF 1220          |
|  | W 10:00am - 12:00pm | LEF 1138      Lab |
| <i>Restriction: Open to GEOG, GIS, &amp; ENSP-Coastal, Land Use, Global majors only; or must be a GIS minor.</i> |                     |                   |

## **GEOG498**

### **Topical Investigations**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Independent study under individual guidance.*

**Contact department for information to register for this course.**

## **GEOG498K**

### **Topical Investigations; Web GIS**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Independent study under individual guidance.*

For majors only. Since 2000, Internet has become the major GIS platform, and a majority of GIS applications are Internet or Web based. This course aims to introduce the development of Web-based systems to search and browse geographic data, and to explain the principals and methods necessary to develop such systems. To achieve this objective, multiple topics will be covered, which include Web design and development, HTML and JavaScript, ArcGIS server, Web services, ArcGIS API for JavaScript, ArcGIS online, and Google Map API. Students will form small groups and complete a course project of develop a Web GIS using ArcGIS API for JavaScript and ArcGIS Server.

|  |                      |                   |
|--|----------------------|-------------------|
| 0101   | Naijun Zhou          | Seats (Total: 24) |
|  | MW 12:00pm - 12:50pm | LEF 1158          |
|  | W 1:00pm - 3:00pm    | LEF 1136      Lab |
| <i>Restriction: Open to GEOG, GIS, &amp; ENSP-Coastal, Land Use, Global majors only.</i> |                      |                   |

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**GEOG498Q      Topical Investigations; Studying Social Networks: Theory, Methods, and Analysis**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Independent study under individual guidance.*

Restriction: permission of department or instructor required. This course is intended as a survey of the theory and methods pertaining to social networks. Class time will be devoted to learning principles, theoretical perspectives, and appropriate software packages (mainly those in R) for designing a study for gathering network data, and analyzing those data. The readings are a combination of introductory-level material, classic, scholarly readings in the field, and empirical studies that apply social network analytic techniques to topics relevant to the social sciences as a whole. The first weeks are structured around readings, group discussion, and lab (e.g. going through example scripts in R). The last few weeks are geared more towards students individual projects, culminating in small presentations (similar to conference paper presentations) on a topic of your choosing, and a final paper/project, again shaped according to your own needs/interests.

|      |                   |                  |
|------|-------------------|------------------|
| 0101 | Christina Prell   | Seats (Total: 5) |
|      | W 4:00pm - 6:30pm | LEF 1158         |

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**GEOG601      The Nature and Practice of Science**

(Perm req)

Credits: 3

Grading Method: Regular

*Restriction: Permission of BSOS-Geography department. Credit only granted for: GEOG601 or GEOG788N. Formerly: GEOG788N.*

*Introduces students to the nature and practice of science in physical and human geography, including practical methods for research productivity, professional, societal and ethical obligations of scientists, the philosophy of science, and the scientific literature. Students will prepare and critically evaluate research proposals.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Klaus Hubacek     | Seats (Total: 24) |
|      | M 2:00pm - 4:30pm | LEF 1171          |

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**GEOG603      Masters Research Tutorial**

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: GEOG600. Restriction: Permission of BSOS-Geography department. Credit only granted for: GEOG603 or GEOG610. Formerly: GEOG610.*

*Development of Masters scholarly paper topic, critical literature review, formulation of geographical approach to research methodology. Individual meetings with faculty. Comprehensive exam before the end of the semester.*

**Contact department for information to register for this course.**

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**GEOG608      Comprehensive Portfolio Assessment Summary**

Credits: 1-3      Grading Method: Sat-Fail

*Evaluation of a PhD student's portfolio.*

**Contact department for information to register for this course.**

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**GEOG642      Biogeography and Environmental Change**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Permission of BSOS-Geography department. Also offered as: GEOG442. Credit only granted for: GEOG788C, GEOG642, or GEOG442. Formerly: GEOG788C.*

*Biogeographical topics of global significance, including a consideration of measurement techniques, and both descriptive and mechanistic modeling. Topics may include: scale in biogeography, biodiversity, carbon geography, climate and vegetation, interannual variability in the biosphere, land cover, global biospheric responses to climate change, NASA's Mission to Planet Earth and Earth Observation System. The class focuses on both natural and anthropogenic controls, impacts of biogeography on climate and ecosystem services and different methods in biogeography.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | George Hurtt          | Seats (Total: 10) |
|      | TuTh 12:30pm - 1:45pm | TYD 2109          |

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**GEOG650      MOBILE GIS**

Credits: 3      Grading Method: Regular

*Prerequisite: GEOG657. Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program; or must be in Graduate Certificate: Professional Studies-Geospatial Information Sciences.*

*This course covers how to create, test, and publish mobile GIS applications that work across multiple platforms (Android, iOS, and Black Berry Tablet OS) and adapt to a smartphone or tablet display.*

**Contact department for information to register for this course.**

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**GEOG652      Digital Image Processing and Analysis**

Credits: 3      Grading Method: Regular

*Prerequisite: GEOG579 or GEOG506; or students who have taken courses with comparable content may contact the department. Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program; or must be in the Geospatial Information Sciences (Graduate Certificate) program.*

*Digital image processing and analysis applied to satellite and aircraft land remote sensing data. Consideration is given to preprocessing steps including calibration and geo registration. Analysis methods include digital image exploration, feature extraction thematic classification, change detection, and biophysical characterization. One or more application examples may be reviewed.*

**Contact department for information to register for this course.**

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**GEOG653****Spatial Analysis**

Credits: 3                      Grading Method: Regular

*Prerequisite: GEOG579 or GEOG506; or students who have taken courses with comparable content may contact the department. Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program; or must be in the Geospatial Information Sciences (Graduate Certificate) program.*

*Methods of spatial analysis including measuring aspects of geometric features and identifying spatial patterns of geospatial objects that are represented as point, line, network, areal data, and 3-D surfaces.*

Students must pay a \$40.00 lab fee.

**Contact department for information to register for this course.**

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**GEOG654****GIS and Spatial Modeling**

Credits: 3                      Grading Method: Regular

*Prerequisite: GEOG653. Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program; or must be in Graduate Certificate: Professional Studies-Geospatial Information Sciences.*

*Provide foundations and understanding on various issues related to modeling and simulation in GIS context. It will addresses the concepts, tools, and techniques of GIS modeling, and presents modeling concepts and theory as well as provides opportunities for hands-on model design, construction, and application. The focus will be on raster-based modeling. This course is also application-orientated, particularly in these fields such as terrain modeling, LULC modeling, hydrological modeling, suitability modeling, etc.*

Students must pay a \$40.00 lab fee.

**Contact department for information to register for this course.**

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**GEOG656****Programming and Scripting for GIS**

Credits: 3                      Grading Method: Regular

*Prerequisite: GEOG653. Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program; or must be in Graduate Certificate: Professional Studies-Geospatial Information Sciences.*

*An introduction to programming and scripting for intermediate GIS users. The fundamental concepts of computer programming will be introduced within the Geoprocessing framework in ArcGIS primarily using Python. Basic concepts of object-oriented programming and scripting will be presented. Students will develop skills in programming techniques to explore, manipulate and model spatial data using the Geoprocessor methods.*

**Contact department for information to register for this course.**

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## **GEOG661      Fundamentals of Geospatial Intelligence**

Credits: 3                      Grading Method: Regular

*Geospatial Intelligence (GEOINT) is the collection, analysis, visualization and dissemination of geospatial information to support decision-making. This course introduces the fundamental knowledge required to become a successful GEOINT practitioner, including the history of the GEOINT discipline, the intelligence applications of remote sensing and Geographic Information Systems (GIS) technologies, and how GEOINT products are used to support national security and humanitarian missions. Upon completion of this course you will understand the roles that technology, policy, doctrine, government, and industry play in shaping the Geospatial Intelligence discipline, and develop the technical knowledge and domain expertise to create basic GEOINT products that provide context for decision makers.*

Geospatial Intelligence (GEOINT) is the collection, analysis, visualization and dissemination of geospatial information to support decision-making. This course introduces the fundamental knowledge required to become a successful GEOINT practitioner, including the history of the GEOINT discipline, the intelligence applications of remote sensing and Geographic Information Systems (GIS) technologies, and how GEOINT products are used to support national security and humanitarian missions. Upon completion of this course you will understand the roles that technology, policy, doctrine, government, and industry play in shaping the Geospatial Intelligence discipline, and develop the technical knowledge and domain expertise to create basic GEOINT products that provide context for decision makers.

**Contact department for information to register for this course.**

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## **GEOG662      Advances in GIS and Remote Sensing**

Credits: 3                      Grading Method: Regular,  
Audit

*Recommended: Students taking the course must be familiar with data structures, basic GIS and RS concepts, and demonstrate basic understanding of using GIS and RS software. Restriction: Permission of BSOS-Geography department; or must be enrolled in Geographical Sciences MPS or graduate certificate program.*

*Focuses on state-of-the-art advances in geographic information science and remote sensing as they support geospatial intelligence. Focus on synergies between GIS and remote sensing in informatics, computer science, and spatial engineering, and their application to problem domains in human systems, physical systems, and cyberspace. Advances in GIS presents recent advances regarding fundamental issues of geo-spatial information science (space and time, spatial analysis, uncertainty modeling and geo-visualization), and new scientific and technological research initiatives for geo-spatial information science (such as spatial data mining, mobile data modeling, and location-based services). Advances in remote sensing will provide opportunity to understand and work with latest developments in the Remote Sensing datasets. The curriculum covers wide range of remote sensing data interpretation and their processing techniques.*

Assuming a basic understanding of geographic information systems and services, and remote sensing techniques, this course focuses on the state-of-the-art advances in geographic information science and remote sensing data acquisition as they support geospatial intelligence. The course will focus on synergies between GI science and remote sensing in informatics, computer science, and spatial engineering, and their application to problem domains in human systems, physical systems, and cyberspace. Current topics include the shift toward open source geospatial data, temporal data, place-based data, cyberinfrastructure, unmanned vehicles, machine vision, high-performance and distributed computing for data fusion, and geocomputing.

**Contact department for information to register for this course.**

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## **GEOG671      Remote Sensing Instruments and Observations**

Credits: 3                      Grading Method: Regular,  
    Audit

*Prerequisite: GEOG472; or students who have taken courses with comparable content may contact the department; or permission of BSOS-Geography department.*

*Detailed examination of land remote sensing instruments, observatories and resultant measurements in the optical portion of the EM spectrum. Includes computer-based exercises that examine the importance of data geo-registration and radiometric calibration in land measurements.*

Students must pay a \$40.00 laboratory materials fee.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Tatiana Loboda    | Seats (Total: 24) |
|      | W 1:00pm - 3:30pm | LEF 1171          |

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## **GEOG686      Mobile GIS and Geocomputing**

Credits: 3                      Grading Method: Regular,  
    Audit

*Prerequisite: Permission of BSOS-Geography department; or must be enrolled in Geographical Sciences MPS or graduate certificate program. Recommended: Students taking the course must be familiar with data structures, basic GIS concepts, and demonstrate basic understanding of object-oriented programming under GIS environment. Credit only granted for: GEOG477, GEOG498V, GEOG788V or GEOG777. Formerly: GEOG788V. Additional information: Tablets that run android and iOS will be loaned to registered students at no cost.*

*Designed as an introduction to mobile GIS, to the programming concepts underlying mobile GIS development, and more importantly, to the design and implementation of a mobile GIS application. Covers how to develop, test, and publish mobile GIS native apps working across two mobile platforms: Android and iOS. Leverages the capabilities of JavaScript, Swift, Google maps, ArcGIS Server and runtime SDK to developing and publishing mobile GIS apps.*

Designed as an introduction to mobile GIS, to the programming concepts underlying mobile GIS development, and more importantly, to the design and implementation of a mobile GIS application. Covers how to develop, test, and publish mobile GIS native apps working across two mobile platforms: Android and iOS. Leverages the capabilities of JavaScript, Swift, Google maps, ArcGIS Server and runtime SDK to developing and publishing mobile GIS web apps.

**Contact department for information to register for this course.**

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## **GEOG732      Spatial Econometrics**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: Permission of BSOS-Geography department. Or GEOG201; and GEOG306; and GEOG202; and GEOG332. Also offered as: GEOG432. Credit only granted for: GEOG498E, GEOG432, GEOG788E, GEOG732. Formerly: GEOG498E, GEOG788E.*

*An introduction to modern econometric techniques in general and spatial econometrics in particular, using the popular open source statistical computer language R. A focus on using statistical computing to produce analytical reports for real-world applications, research papers, and dissertations.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Laixiang Sun       | Seats (Total: 24) |
|      | Tu 3:30pm - 6:00pm | LEF 1171          |

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## **GEOG788      Selected Topics in Geography**

(Perm req)                      Credits: 1-3                      Grading Method: Regular

*Readings and discussion on selected topics in the field of geography.*

Repeatable to 6 credits if content differs.

**Contact department for information to register for this course.**

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## **GEOG788Q      Selected Topics in Geography; Studying Social Networks: Theory, Methods, and Analysis**

Credits: 3                      Grading Method: Regular,  
Audit, Sat-Fail

*Readings and discussion on selected topics in the field of geography.*

This course is intended as a survey of the theory and methods pertaining to social networks. Class time will be devoted to learning principles, theoretical perspectives, and appropriate software packages (mainly those in R) for designing a study for gathering network data, and analyzing those data. The readings are a combination of introductory-level material, classic, scholarly readings in the field, and empirical studies that apply social network analytic techniques to topics relevant to the social sciences as a whole. The first weeks are structured around readings, group discussion, and lab (e.g. going through example scripts in R). The last few weeks are geared more towards students individual projects, culminating in small presentations (similar to conference paper presentations) on a topic of your choosing, and a final paper/project, again shaped according to your own needs/interests.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Christina Prell   | Seats (Total: 25) |
|      | W 4:00pm - 6:30pm | LEF 1158          |

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**GEOG788Z      Selected Topics in Geography; Topics in Data Visualization with Processing and Applications in R**

Credits: 3                      Grading Method: Regular,  
Audit, Sat-Fail

*Readings and discussion on selected topics in the field of geography.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Giovanni Baiocchi  | Seats (Total: 25) |
|      | Th 5:00pm - 7:30pm | LEF 1171          |

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**GEOG789      Independent Readings**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Audit

*Independent reading as arranged between a graduate faculty member and graduate student.*

Repeatable to 6 credits if content differs.

**Contact department for information to register for this course.**

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**GEOG790      Internship in Geography**

Credits: 3                      Grading Method: Regular,  
Audit

*Field experience in the student's specialty in a Federal, state, or local agency or private business.  
Research paper required.*

**Contact department for information to register for this course.**



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**GEOG797 Professional Project**

Credits: 3                      Grading Method: Regular

*Prerequisite: GEOG795; and must have completed or be concurrently enrolled in ENCE662.*

*Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program.*

*Data and materials can originate from an internship (internal or external) or from relevant work experience with current employer. Under direction of faculty advisor, students will prepare a project report containing explanation of the requirements for the work, technical account of the activities undertaken, including literature review, description of methods and approaches taken, a critical discussion of results, along with conclusions and recommendations developed from the project. Final project will consist of a full-fledged GIS application that is up and running and can be tested, providing potential employers with a portfolio demonstrating student's ability to manage and develop a GIS application in real world situations.*

**Contact department for information to register for this course.**

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**GEOG798 Selected Topics in Geography: Seminar Series; Departmental Seminar**

(Perm req)

Credits: 1                      Grading Method: Regular,  
Audit

*Readings and discussions on selected topics in the field of geography.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Rachel Berndtson   | Seats (Total: 50) |
|      | Th 3:30pm - 5:00pm | LEF 1158          |

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**GEOG799 Master's Thesis Research**

(Perm req)

Credits: 1-6                      Grading Method: Regular

**Contact department for information to register for this course.**

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**GEOG898 Pre-Candidacy Research**

(Perm req)

Credits: 1-8                      Grading Method: Regular

**Contact department for information to register for this course.**

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**GEOG899 Doctoral Dissertation Research**

(Perm req)

Credits: 6                      Grading Method: Regular

**Contact department for information to register for this course.**

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**GEOL Geology****Fall 2017**

**GEOL100 Physical Geology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: DSNL (if  
taken with GEOL110), DSNS

*Credit only granted for: GEOL100 or GEOL120. Additional information: CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 110.*

*A general survey of the rocks and minerals composing the earth, its surface features and the agents that form them, and the dynamic forces of plate tectonics.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Tracey Centorbi      | Seats (Total: 99) |
|      | MWF 1:00pm - 1:50pm  | ATL 2324          |
| 0201 | William McDonough    | Seats (Total: 99) |
|      | TuTh 3:30pm - 4:45pm | ATL 2324          |

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#### **GEOL104                      Dinosaurs: A Natural History**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: PS                      General Education: DSNS

*Dinosaurs, their evolution, and our understanding of their fossil record. Students will examine the geologic record and the tools used by paleontologists to determine: geologic ages and ancient environments; evolutionary history and extinctions; dinosaurian biology and behavior; and their survival as birds. Mechanisms of global change ranging from plate tectonics to asteroid impact will be discussed.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Thomas Holtz          | Seats (Total: 60) |
|      | MWF 10:00am - 10:50am | PLS 1130          |

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#### **GEOL110                      Physical Geology Laboratory**

Credits: 1                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: Must have completed or be concurrently enrolled in GEOL120 or GEOL100. Additional information: CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 100.*

*The basic materials and tools of physical geology stressing familiarization with rocks and minerals and the use of maps in geologic interpretations.*

Students must pay a \$50.00 laboratory materials fee.

|      |                               |                                   |
|------|-------------------------------|-----------------------------------|
| 0101 | Rebecca Butcher, Alan Kaufman | Seats (Total: 24)                 |
|      | Th 12:00pm - 3:00pm           | GEO 2106                      Lab |

|      |   |                               |     |
|------|---|-------------------------------|-----|
| 0102 | Alan Kaufman, Erin Cunningham<br>M 12:00pm - 3:00pm     | Seats (Total: 24)<br>GEO 2106 | Lab |
| 0103 | Alan Kaufman, Rebecca Butcher<br>Tu 12:00pm - 3:00pm    | Seats (Total: 24)<br>GEO 2106 | Lab |
| 0104 | Alan Kaufman, Erin Cunningham<br>Tu 3:00pm - 6:00pm     | Seats (Total: 24)<br>GEO 2106 | Lab |
| 0106 | Jonathan Guandique, Alan Kaufman<br>W 9:00am - 12:00pm  | Seats (Total: 24)<br>GEO 2106 | Lab |
| 0107 | Alan Kaufman, Robert Nicklas<br>W 3:00pm - 6:00pm       | Seats (Total: 24)<br>GEO 2106 | Lab |
| 0109 | Jonathan Guandique, Alan Kaufman<br>Tu 9:00am - 12:00pm | Seats (Total: 24)<br>GEO 2106 | Lab |

## GEOL120

### Environmental Geology

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: PS      General Education: DSNL (if taken with GEOL110), DSNL

*Credit only granted for: GEOL100 or GEOL120.*

*A review of geologic factors underlying many environmental problems and the interactions between population and physical environment: geologic hazards, land-use planning, conservation, mineral resources, waste disposal, land reclamation, and the geologic aspects of health and disease. The course is aimed at lower division students in education and liberal arts, and should be useful to any student concerned with geologic perspectives of environmental problems.*

|      |   |   |            |
|------|---|---|------------|
| 0101 | Tracey Centorbi<br>TuTh 12:30pm - 1:45pm<br>M 3:00pm - 3:50pm | Seats (Total: 20)<br>TYD 2106<br>PLS 1172 | Discussion |
| 0102 | Tracey Centorbi<br>TuTh 12:30pm - 1:45pm<br>M 4:00pm - 4:50pm | Seats (Total: 20)<br>TYD 2106<br>PLS 1172 | Discussion |
| 0103 | Tracey Centorbi<br>TuTh 12:30pm - 1:45pm<br>M 5:00pm - 5:50pm | Seats (Total: 20)<br>TYD 2106<br>PLS 1172 | Discussion |

|   |                      |                   |            |
|---|----------------------|-------------------|------------|
| FC01  | Tracey Centorbi      | Seats (Total: 20) |            |
|   | TuTh 4:30pm - 5:45pm | ASY 3203          |            |
|   | F 9:00am - 9:50am    | CSI 3118          | Discussion |
| <i>Restricted to students in Freshmen Connection.</i> |                      |                   |            |
| FC02  | Tracey Centorbi      | Seats (Total: 20) |            |
|   | TuTh 4:30pm - 5:45pm | ASY 3203          |            |
|   | F 10:00am - 10:50am  | CSI 3118          | Discussion |
| <i>Restricted to students in Freshmen Connection.</i> |                      |                   |            |

## GEOL123 Causes and Consequences of Global Change

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: PS      General Education: DSNS, SCIS

*Also offered as: AOSC123. Credit only granted for: AOSC123, GEOG123, GEOL123, or METO123.*

*Study of the major components of Earth's climate system and climate change history. Discussion of 21st century climate change prediction, mitigation and adaptation efforts.*

|      |                               |                   |            |
|------|-------------------------------|-------------------|------------|
| 0101 | Michael Gerst, Melissa Kenney | Seats (Total: 32) |            |
|      | MW 12:00pm - 12:50pm          | ATL 2416          |            |
|      | F 12:00pm - 12:50pm           | ATL 2416          | Discussion |

## GEOL124 Evolution of Life and Environment on Planet Earth

(Perm req)

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: PS      General Education: DSNS, SCIS

*An exploration of how life has shaped Earth's physical environments, both in the contemporary Earth and over the long course of Earth history. Topics range from evidence for the origin and diversification of life and its impact on Earth environments to the mind-set and methods of the scientists who interpret it, and what those methods tell us about future interactions between life and the environment, both on Earth and in the Solar System.*

Restricted to students in the new Carillon Once and Future Planet living learning community.

*A Marquee Science and Technology Course designed for Non-Science Majors:  
<http://www.marqueecourses.umd.edu/> Click here for more Marquee course information.*

|      |                        |                   |            |
|------|------------------------|-------------------|------------|
| 0101 | Alan Kaufman           | Seats (Total: 15) |            |
|      | TuTh 11:00am - 12:15pm | CHM 1224          |            |
|      | W 3:00pm - 3:50pm      | PLS 1162          | Discussion |

|      |                        |                   |            |  |
|------|------------------------|-------------------|------------|--|
| 0102 | Alan Kaufman           | Seats (Total: 15) |            |  |
|      | TuTh 11:00am - 12:15pm | CHM 1224          |            |  |
|      | W 4:00pm - 4:50pm      | PLS 1162          | Discussion |  |
| 0103 | Alan Kaufman           | Seats (Total: 15) |            |  |
|      | TuTh 11:00am - 12:15pm | CHM 1224          |            |  |
|      | W 5:00pm - 5:50pm      | PLS 1162          | Discussion |  |

## GEOL200

### Earth's Fury: Earthquakes, Volcanoes, and Tsunami

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: PS

General Education: DSNS,  
SCIS

*Earthquakes, volcanic eruptions, and tsunami frequently remind us of the dangers associated with living on a constantly changing planet. How do people prepare for these rare but dramatic events? Student will study the science behind earthquakes and volcanoes, how it guides monitoring, forecasting, prevention, and response, and the cultural and ethical aspects of these events.*

|      |                       |                   |            |  |
|------|-----------------------|-------------------|------------|--|
| 0101 | Laurent Montesi       | Seats (Total: 20) |            |  |
|      | TuTh 9:30am - 10:45am | ASY 2203          |            |  |
|      | W 3:00pm - 3:50pm     | PLS 1168          | Discussion |  |
| 0102 | Laurent Montesi       | Seats (Total: 20) |            |  |
|      | TuTh 9:30am - 10:45am | ASY 2203          |            |  |
|      | W 4:00pm - 4:50pm     | PLS 1168          | Discussion |  |
| 0103 | Laurent Montesi       | Seats (Total: 20) |            |  |
|      | TuTh 9:30am - 10:45am | ASY 2203          |            |  |
|      | W 5:00pm - 5:50pm     | PLS 1168          | Discussion |  |
| 0104 | Laurent Montesi       | Seats (Total: 20) |            |  |
|      | TuTh 9:30am - 10:45am | ASY 2203          |            |  |
|      | W 3:00pm - 3:50pm     | PLS 1164          | Discussion |  |
| 0105 | Laurent Montesi       | Seats (Total: 20) |            |  |
|      | TuTh 9:30am - 10:45am | ASY 2203          |            |  |
|      | W 4:00pm - 4:50pm     | PLS 1164          | Discussion |  |
| 0106 | Laurent Montesi       | Seats (Total: 20) |            |  |
|      | TuTh 9:30am - 10:45am | ASY 2203          |            |  |
|      | W 5:00pm - 5:50pm     | PLS 1164          | Discussion |  |

**GEOL212****Planetary Geology**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: PS      General Education: DSNS

*Credit only granted for: ASTR330 or GEOL212.*

*An examination of the geologic and geochemical processes at work in the solar system from the perspectives supplied by space age exploration of the planets and other solar system bodies.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | John Merck          | Seats (Total: 24) |
|      | MWF 9:00am - 9:50am | PLS 1115          |

**GEOL342****Sedimentation and Stratigraphy**

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GEOL 120 or GEOL 100; and GEOL 110; and GEOL322. And CHEM103; or (CHEM131 and CHEM132); or (CHEM135 and CHEM136). Restriction: Permission of instructor is required of non-degree-seeking students.*

*Description, origin, and distribution of sediments and sedimentary rocks. Two mandatory weekend field trips.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | John Merck          | Seats (Total: 15) |
|      | MWF 1:00pm - 1:50pm | PLS 1172          |
|      | Tu 3:30pm - 6:30pm  | GEO 2107      Lab |

**GEOL375****Introduction to the Blue Ocean**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH140. Recommended: MATH141, PHYS161, or PHYS171. Restriction: Non-degree-seeking students require the permission of the instructor. Also offered as: AOSC375. Credit only granted for: AOSC375, GEOL375 or METO375.*

*Introduction to physical, chemical, and biological properties of the ocean. Role of the ocean in climate as a component of the Earth system. El Nino and the ocean, impact of global warming on the ocean and marine habitats including fisheries.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Raghu Murtugudde       | Seats (Total: 23) |
|      | TuTh 11:00am - 12:15pm | ATL 1109          |

**GEOL393****Geology Senior Thesis I: Proposal**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS141 and MATH141. And CHEM131 and CHEM132; or (CHEM135 and CHEM136). And must have completed at least two upper-level geology courses and be concurrently enrolled in a third. Restriction: Junior standing or higher; and must be in Geology program; and non-degree-seeking students require the permission of the instructor.*

*The first semester of the two-semester Geology Senior Thesis. Emphasis is on developing a plan for original research in the geosciences and presenting that plan both in writing and in public presentations that adhere to geosciences professional standards.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Philip Piccoli                                | Seats (Total: 10) |
|      | W 4:00pm - 6:00pm                             | PLS 1111          |
|      | Contact instructor or department for details. |                   |

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#### GEOL394

#### Geology Senior Thesis II: Research

Credits: 3                      Grading Method: Regular                      CORE: CS                      General Education: DSSP

*Prerequisite: GEOL393; and must have completed at least three upper level GEOL courses. Restriction: Must be in Geology program; and junior standing or higher; and in addition, non-degree-seeking students require the permission of the department.*

*The second semester of the two-semester Geology Senior Thesis. Investigation of specific original research question in geosciences. Emphasis is on completion of original research proposed in GEOL393 and presentation of results both in writing and in public presentations that adhere to geosciences professional standards.*

**Contact department for information to register for this course.**

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#### GEOL423

#### Optical Mineralogy

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GEOL 100 or GEOL 120; and GEOL 110; and GEOL322. And CHEM131 and CHEM132; or (CHEM135 and CHEM136); or CHEM103. Restriction: Non-degree-seeking students require the permission of the instructor.*

*The optical behavior of crystals with emphasis on the theory and application of the petrographic microscope.*

|      |                         |                                   |
|------|-------------------------|-----------------------------------|
| 0101 | Sarah Penniston-Dorland | Seats (Total: 17)                 |
|      | MWF 9:00am - 9:50am     | HBK 0109                          |
|      | W 10:00am - 1:00pm      | GEO 2117                      Lab |

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#### GEOL444

#### Low Temperature Geochemistry

(Perm req)

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GEOL322, GEOL100, and MATH115. And CHEM103; or (CHEM131 and CHEM132); or (CHEM135 and CHEM136). Restriction: Non-degree-seeking students require the permission of the instructor.*

*Basic chemical principles, thermodynamics, and kinetics of low-temperature inorganic and organic geochemical reactions in a wide range of surface environments. These geochemical tools will be used to provide a context for understanding elemental cycling and climate change. Laboratories will include problem sets as well as wet chemical and mass spectrometric techniques used in low temperature geochemistry.*

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | James Farquhar       | Seats (Total: 12) |     |
|      | TuTh 8:00am - 9:15am | PLS 1158          |     |
|      | M 3:00pm - 6:00pm    | CHM 1330          | Lab |

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## **GEOL445                      High Temperature Geochemistry**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GEOL322, GEOL100, and MATH115. And CHEM131 and CHEM132; or (CHEM135 and CHEM136); or CHEM103. Restriction: Non-degree-seeking students require the permission of the instructor.*

*Review of chemical principles and their use in understanding processes of Earth, and solar system formation and differentiation. Topics include nucleosynthesis and cosmochemical abundances of elements, bonding and element partitioning, equilibrium thermodynamics and phase stabilities, radiogenic isotopes and geochronology, kinetics, and diffusion.*

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0101 | Ricardo Arevalo       | Seats (Total: 20) |     |
|      | TuTh 12:30pm - 1:45pm | PLS 1172          |     |
|      | Th 8:00am - 11:00am   | HBK 0115          | Lab |

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## **GEOL446                      Geophysics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS141, MATH141, and MATH140; and (GEOL100 or GEOL120). Restriction: Non-degree-seeking students require the permission of the instructor.*

*An introduction to modern geophysics. Topics include: global plate tectonics, plate motion, triple junctions, geomagnetism, earthquakes and faulting, reflection and refraction seismology, gravity and isostasy, heat flow and mantle dynamics, deep interior of the Earth, geophysical observations and measurements.*



|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Wenlu Zhu              | Seats (Total: 23) |
|      | TuTh 11:00am - 12:15pm | PLS 1162          |

## GEOL447 **Observational Geophysics**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH140 and MATH141; and (PHYS141, PHYS161, or PHYS171).*

*An introduction to practical signal processing, data analysis, and inverse theory in geophysics.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Vedran Lekic         | Seats (Total: 20) |
|      | TuTh 3:30pm - 4:45pm | PLS 1129          |

## GEOL451 **Groundwater**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GEOL 110 and MATH140; and (GEOL 120 or GEOL 100); and (CHEM131 and CHEM132; or (CHEM135 and CHEM136); or CHEM103). Or permission of CMNS-Geology department.*

*Restriction: Non-degree-seeking students require the permission of the instructor; and junior standing or higher.*

*An introduction to the basic geologic parameters associated with the hydrologic cycle. Problems in the accumulation, distribution, and movement of groundwater will be analyzed.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Wenlu Zhu            | Seats (Total: 42) |
|      | TuTh 2:00pm - 3:15pm | SPH 1302          |

## GEOL452 **Watershed and Wetland Hydrology**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor; and junior standing or higher.*

*Physical processes by which water moves in watershed and wetland systems. Topics include: precipitation, infiltration, flow in the unsaturated zone, streamflow generation processes, and groundwater flow.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Karen Prestegaard    | Seats (Total: 40) |
|      | TuTh 3:30pm - 4:45pm | PLS 1130          |

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**GEOL453****Ecosystem Restoration**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH120 or MATH140; or must have completed MATH220. And (CHEM131 or CHEM135); and (CHEM132 or CHEM136); and (GEOL100, GEOL120, or ENST200). Restriction: Junior standing or higher; and permission of instructor is required of non-degree-seeking students. Credit only granted for: GEOL453 or GEOL489L. Formerly: GEOL489L.*

*Overview of ecosystem functions across biomes/geologic settings, and considerations and tradeoffs in ecosystem restoration strategies. Specific case studies and discussions will be aimed at understanding how structure can influence biophysical and biogeochemical processes supporting ecosystems, and then describes how rates, timing, and location of physical, chemical, and ecosystem processes can be altered by different restoration strategies to enhance ecosystem services.*

Also offered as MEES698E and GEOL789L.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Sujay Kaushal      | Seats (Total: 20) |
|      | Tu 3:30pm - 6:30pm | BPS 1232          |

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**GEOL460****Field Geophysics**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH140, MATH141, and GEOL446; and (PHYS141, PHYS161, or PHYS171). Restriction: Non-degree-seeking students require the permission of the instructor.*

*Students will become familiar with geophysical instrumentation used for both scientific and industrial applications. Students will be given an introduction to the use of geophysical instrumentation for data collection, processing, and analysis, design of field experiments for investigating field geophysical problems, and an introduction to the theory of instrument design and use. Instruments that will be covered include (but are not limited to): broadband seismometers, geophones, ground-penetrating radar, magnetotellurics, and Global Positioning Satellites.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Nicholas Schmerr   | Seats (Total: 15) |
|      | M 10:00am - 1:50pm | CHE 2116          |

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**GEOL488****Geology Colloquium**

Credits: 1                      Grading Method: Sat-Fail

*Contemporary research topics and issues in geosciences are explored through the weekly Geology departmental colloquium and discussion of its contents.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Nicholas Schmerr  | Seats (Total: 30) |
|      | F 3:00pm - 4:30pm | PLS 1130          |

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**GEOL489G      Special Topics; Geoscientific Modeling**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Recent advances in geology.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Michael Evans         | Seats (Total: 10) |
|      | MWF 10:00am - 10:50am | PLS 1176          |

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**GEOL499      Special Problems in Geology**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Intensive study of a special geologic subject or technique selected after consultation with instructor. Intended to provide training or instruction not available in other courses which will aid the student's development in his or her field of major interest.*

Prerequisites: GEOL100 or GEO120, GEOL110, GEOL102; or equivalent; and permission of department. In addition, non-degree-seeking students require the permission of the instructor. Intensive study of a special geologic subject or technique selected after consultation with instructor. Intended to provide training or instruction not available in other courses which will aid the student's development in his or her field of major interest.

**Contact department for information to register for this course.**

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**GEOL647      Observational Geophysics**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: MATH140, MATH141, and PHYS141; and (PHYS161 or PHYS171). Credit only granted for: GEOL7890 or GEOL647. Formerly: GEOL7890.*

*Introduces graduate students to instrument design and performance, signal processing, data analysis and inverse theory in geophysics.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Vedran Lekic         | Seats (Total: 10) |
|      | TuTh 3:30pm - 4:45pm | PLS 1129          |

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**GEOL652      Advanced Watershed and Wetland Hydrology**

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: GEOL452; or permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor.*

*Physical and chemical processes in watershed and wetland systems: with an emphasis on redox reactions.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Karen Prestegaard    | Seats (Total: 10) |
|      | TuTh 3:30pm - 4:45pm | PLS 1130          |

**GEOL670**

## Physical Oceanography

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor. Also offered as: AOSC420, AOSC670. Credit only granted for: GEOL670, AOSC670 or AOSC420.*

*Ocean observations. Water masses, sources of deep water. Mass, heat, and salt transport, geochemical tracers. Western boundary currents, maintenance of the thermocline. Coastal and estuarine processes. Surface waves and tides. Ocean climate.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | James Carton       | Seats (Total: 11) |
|      | MW 3:15pm - 4:30pm | ATL 2416          |
| AM01 | James Carton       | Seats (Total: 1)  |
|      | MW 3:15pm - 4:30pm | ATL 2416          |

**GEOL680**

## Geodynamics

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Permission of CMNS-Geology department; or (MATH241, MATH462, and GEOL446). Recommended: Familiarity with MATLAB or MATHEMATICA. Credit only granted for: GEOL680 or GEOL789J. Formerly: GEOL789J.*

*The mechanics and dynamics of the Earth's interior and their applications to problems of Geophysics. This course considers several rheological descriptions of Earth materials (brittle, elastic, linear and nonlinear fluids, and viscoelastic) and emphasizes analytical solutions to simplified problem.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Laurent Montesi       | Seats (Total: 10) |
|      | TuTh 12:30pm - 1:45pm | PLS 1168          |

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**GEO688****Geology Colloquium**

Credits: 1                      Grading Method: Sat-Fail

*Contemporary research topics and issues in geosciences are explored through the weekly Geology departmental colloquium and discussion of its contents.*

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|------|-------------------|-------------------|
| 0101 | Nicholas Schmerr  | Seats (Total: 30) |
|      | F 3:00pm - 4:30pm | PLS 1130          |

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**GEO789G****Recent Advances in Geology; GEOSCIENTIFIC MODELING**Credits: 3                      Grading Method: Regular,  
Audit

*Recent advances in geology research.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Michael Evans         | Seats (Total: 10) |
|      | MWF 10:00am - 10:50am | PLS 1176          |

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**GEO789K****Recent Advances in Geology; Current Topics in Meteoritics and Cosmochemistry**Credits: 3                      Grading Method: Regular,  
Audit

*Recent advances in geology research.*

Seminar course designed to introduce students to current theories behind the origin and evolution of our solar system. General topics to be covered include current theories for the origin of the solar system, the age of the solar system, and the relative ages of the assemblage of its parts. Two classes will be devoted to examining extraterrestrial materials (lunar and meteoritic).

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Richard Walker    | Seats (Total: 15) |
|      | W 1:00pm - 3:50pm | EGR 3102          |

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**GEO789L****Recent Advances in Geology; Special Topics in Marine-Estuarine-Environmental Sciences: Principles and Practices of Ecosystem Restoration**Credits: 3                      Grading Method: Regular,  
Audit

*Recent advances in geology research.*

Also offered as MEES698E and GEOL453. Overview of critical ecosystem functions across biomes/geologic settings emphasizing tradeoffs in restoration designs. Case studies illuminate structure's influence over biophysical and biogeochemical processes supporting ecosystems; then show how properties of physical, chemical, and ecosystem processes can be altered by different restoration strategies, to optimize ecosystem services and habitat quality. Includes a semester research project.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Sujay Kaushal      | Seats (Total: 20) |
|      | Tu 3:30pm - 6:30pm | BPS 1232          |

## GEOL798

### Seminar in Geology

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Audit

*Discussion of special topics in current literature in all phases of geology.*

**Contact department for information to register for this course.**

## GEOL799

### Master's Thesis Research

Credits: 1-6

Grading Method: Regular

**Contact department for information to register for this course.**

## GEOL898

### Pre-Candidacy Research

Credits: 1-8

Grading Method: Regular

**Contact department for information to register for this course.**

## GEOL899

### Doctoral Dissertation Research

(Perm req)

Credits: 6

Grading Method: Regular

**Contact department for information to register for this course.**

## GERM

## Germanic Studies

**Fall 2017**

### GERM103

#### Intensive Elementary German

Credits: 4

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed GERM102; and must not be a fluent/native speaker of German. Credit only granted for: GERM102 or GERM103.*

*Covers speaking, reading, writing, listening, and culture of German-speaking world.*

|      |                            |                   |
|------|----------------------------|-------------------|
| BL01 | Wendy Timmons              | Seats (Total: 25) |
|      | MWF 11:00am - 11:50am      | SQH 2120          |
|      | Class time/details on ELMs | ONLINE            |
| BL02 | James Porter               | Seats (Total: 25) |
|      | MWF 1:00pm - 1:50pm        | JMZ 0118          |
|      | Class time/details on ELMs | ONLINE            |

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**GERM149Z      Germanic Languages - Elementary II; Elementary Yiddish II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Continuation of GERM148. May be repeated in a different language. Subtitle will reflect the language.*

Also offered as JWST282. Credit granted for JWST282 or GERM149Z.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Adi Mahalel           | Seats (Total: 15) |
|      | TuTh 12:30pm - 1:45pm | SQH 1125          |

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**GERM203      Intensive Intermediate German**

Credits: 4                      Grading Method: Regular,                      CORE: HO  
Audit

*Prerequisite: GERM103; or must have appropriate Foreign Language Placement Test (FLPT) score.  
Restriction: Must not have completed GERM201; and must not have completed GERM202; and must not be a fluent/native speaker of German. Credit only granted for: GERM202 or GERM203.*

*Covers speaking, reading, writing, listening, and culture of German-speaking world.*

|      |                            |                   |
|------|----------------------------|-------------------|
| BL01 | Matthew Kelly              | Seats (Total: 25) |
|      | MWF 11:00am - 11:50am      | JMZ 3205          |
|      | Class time/details on ELMs | ONLINE            |
| BL02 | Raleigh Joyner             | Seats (Total: 25) |
|      | MWF 12:00pm - 12:50pm      | JMZ 1224          |
|      | Class time/details on ELMs | ONLINE            |

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**GERM204      German Grammar Review**

Credits: 3                      Grading Method: Regular,                      CORE: HO  
Pass-Fail, Audit

*Prerequisite: GERM203; or Must have appropriate Foreign Language Placement Test (FLPT) score.  
Restriction: Must not be a fluent/native speaker of German.*

*An in-depth study and analysis of selected grammatical topics in a contextualized framework.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Regina Ianozi         | Seats (Total: 25) |
|      | MWF 10:00am - 10:50am | JMZ 1120          |

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**GERM255      Once Upon a Time: Fairy Tales of the Brothers Grimm**

Credits: 3                      Grading Method: Regular                      General Education: DSHU

*Credit only granted for: GERM255 or GERM289G. Formerly: GERM289G. Additional information:  
Course is taught in English.*

*A critical examination of how fairy tales and folklore pervade and influence diverse facets of Western culture, ranging from issues of politics and national identity, ethics and morality, violence and fear, education and pedagogy, to gender and sexuality in the establishment and regulation of social norms. Taking the German tales collected by Jacob and Wilhelm Grimm as its focal point, the magical and often terrifying world of fairy tales within the German, European, and American cultural traditions from Romanticism to today will be explored.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Julie Koser          | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm | JMZ 2206          |

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**GERM269A      Special Topics in Study Abroad II; Elementary German I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**GERM269B      Special Topics in Study Abroad II; Elementary German II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**GERM301      Conversation and Composition I: The German-Speaking World**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit



*Prerequisite: GERM204; or students who have taken courses with comparable content may contact the department.*

*Practice in contemporary spoken and written German. Systematic review of grammar, and exercises in composition. Emphasis on cultural contrasts in the German-speaking world.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Maria Sitzler-Sawicki | Seats (Total: 20) |
|      | MWF 1:00pm - 1:50pm   | JMZ 1103          |

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**GERM302      Conversation and Composition II: Current Topics in German-Speaking Society**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GERM301; or students who have taken courses with comparable content may contact the department.*

*Further practice in contemporary spoken and written German. Contemporary social, political, and cultural themes.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Maria Sitzler-Sawicki | Seats (Total: 20) |
|      | MWF 11:00am - 11:50am | JMZ 2122          |

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**GERM319G      Selected Topics in Germanic Language Studies; Seminar in German Language**

Credits: 3                      Grading Method: Regular  
**Contact department for information to register for this course.**

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**GERM322      Highlights of German Literature and Culture**

Credits: 3                      Grading Method: Regular,                      General Education: DSHU  
Pass-Fail, Audit

*Prerequisite: GERM302; or students who have taken courses with comparable content may contact the department.*

*Selected literary masterworks, social and cultural issues, and historical events in German-speaking countries from the Enlightenment, Romanticism, Junges Deutschland, Realism, Naturalism and its counter currents, Expressionism to the present. Taught in German.*

Taught in German. Also offered as GERM322H.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Julie Koser            | Seats (Total: 25) |
|      | TuTh 11:00am - 12:15pm | JMZ 3203          |

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**GERM322H Highlights of German Literature and Culture**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSHU

*Prerequisite: GERM302; or students who have taken courses with comparable content may contact the department.*

*Selected literary masterworks, social and cultural issues, and historical events in German-speaking countries from the Enlightenment, Romanticism, Junges Deutschland, Realism, Naturalism and its counter currents, Expressionism to the present. Taught in German.*

Taught in German. Also offered as GERM322.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Julie Koser            | Seats (Total: 25) |
|      | TuTh 11:00am - 12:15pm | JMZ 3203          |

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**GERM369C Special Topics in Study Abroad III; German Composition I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**GERM369D Special Topics in Study Abroad III; German Composition II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**GERM369K Special Topics in Study Abroad III; Introduction to German Literature**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**GERM369M Special Topics in Study Abroad III; Europeans and the Middle East: War & Peace, Culture and Exchange, 1798-Present**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**GERM369P      Special Topics in Study Abroad III; Pop Culture: European-American Trends**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**GERM386      Experiential Learning**

(Perm req)

Credits: 3-6                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department.*

*Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

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**GERM389F      Topics in Germanic Culture; Berlin: History, Memory, Literature**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics in the cultures of the German, Germanic, Indo-European peoples and of their culturally related non-Indo-European neighbors. Taught in English.*

**Contact department for information to register for this course.**

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**GERM389G      Topics in Germanic Culture; German American Cultural Contrasts**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics in the cultures of the German, Germanic, Indo-European peoples and of their culturally related non-Indo-European neighbors. Taught in English.*

**Contact department for information to register for this course.**

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**GERM397H      Honors Reading (Independent Study)**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Supervised reading to be taken normally only by students admitted into honors program.*

**Contact department for information to register for this course.**

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**GERM399F      Selected Topics in Germanic Studies; The Human Condition and the Totalitarian Experience**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**GERM401      Advanced Conversation**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GERM302; or students who have taken courses with comparable content may contact the department.*

*Development of fluency in spoken German to achieve advanced level.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Peter Beicken         | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | JMZ 0103          |

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**GERM411      German for International Business I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Advanced skills in German for international business, including understanding and writing correspondence, reports, graphics, ads, etc., according to current German commercial style.*

**Contact department for information to register for this course.**

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**GERM439J      Selected Topics in German Literature; Introduction to the History of the German Language**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special study of an author, school, genre, or theme. Taught in German.*

**Contact department for information to register for this course.**

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**GERM449I      Selected Topics in Germanic Studies; Feminist Film and Media Theory**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Study of a linguistic, literary or cultural topic in Yiddish, Netherlandic, or Scandinavian studies.*

Also offered as FILM469I and GERM689I. Credit granted for FILM469I, GERM449I, or GERM689I.  
Taught in English

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Hester Baer        | Seats (Total: 20) |
|      | Tu 2:00pm - 5:00pm | HBK 0302H         |
|      | Th 2:00pm - 3:15pm | HBK 0302H         |

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**GERM489Y      Social Issues in German Culture; Modern German Drama**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course examining the cultural constructions and representations of important social and political issues, investigating their connection to German values and institutions. Taught in German.*

Also offered as GERM689Y. Credit granted for GERM489Y or GERM689Y.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Peter Beicken      | Seats (Total: 15) |
|      | Th 4:30pm - 7:15pm | JMZ 3205          |

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**GERM499      Directed Study**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**GERM689E      Special Topics - M.A. Level; Introduction to German Studies**

Credits: 3                      Grading Method: Regular,  
Audit

*M.A.-level study of a literary, linguistic or cultural topic in German or Germanic studies.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Elke Frederiksen  | Seats (Total: 15) |
|      | W 4:30pm - 7:15pm | JMZ 2120          |

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**GERM689I      Special Topics - M.A. Level; Feminist Film and Media Theory**

Credits: 3                      Grading Method: Regular,  
Audit

*M.A.-level study of a literary, linguistic or cultural topic in German or Germanic studies.*

Also offered as GERM449I and FILM469I. Credit granted for FILM469I, GERM449I, or GERM689I.  
Taught in English.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Hester Baer        | Seats (Total: 20) |
|      | Tu 2:00pm - 5:00pm | HBK 0302H         |
|      | Th 2:00pm - 3:15pm | HBK 0302H         |

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**GERM689Y      Special Topics - M.A. Level; Modern German Drama**

Credits: 3                      Grading Method: Regular,  
Audit

*M.A.-level study of a literary, linguistic or cultural topic in German or Germanic studies.*

Also offered as GERM489Y. Credit granted for GERM489Y or GERM689Y.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Peter Beicken      | Seats (Total: 15) |
|      | Th 4:30pm - 7:15pm | JMZ 3205          |

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**GERM798 Master's Independent Study**

Credits: 1-3      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**GERM799 Master's Thesis Research**

Credits: 1-6      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**GERM888 Doctoral Independent Study**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**GERM898 Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**GERM899 Doctoral Dissertation Research**

(Perm req)

Credits: 6      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**GREK      Greek      Fall 2017**

**GREK101 Elementary Ancient Greek I**

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: A student who has had two units of Greek in high school may register for GREK101 for purposes of review but not for credit.*

*Study of basic grammar, development of reading facility, and introduction to Athenian life and culture in the fifth century B.C.*

Classical and New Testament Greek.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Madeleine Goh         | Seats (Total: 20) |
|      | MWF 10:00am - 10:50am | HBK 1112          |
|      | M 9:00am - 9:50am     | HBK 1112          |

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**GREK111      Elementary Modern Greek I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must not be a native speaker of Greek. Credit only granted for: FOLA108G or GREK111. Formerly: FOLA108G.*

*An introduction to the language and culture of modern Greece. Students begin to acquire the basic tools of the language and to communicate, in simple everyday situations. This is the first of our two-semester sequence in Elementary Modern Greek and contributes to the fulfillment of the Global Engagement requirement of the College of Arts and Humanities.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Polyvia Parara        | Seats (Total: 20) |
|      | MWF 12:00pm - 12:50pm | KEY 0119          |

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**GREK201      Intermediate Ancient Greek**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GREK102; or students who have taken courses with comparable content may contact the department.*

*Advancing beyond the basic skills developed in GREK 101 and GREK 102; review of selected grammatical concepts; continuous reading of passages from Greek literature.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Madeleine Goh       | Seats (Total: 10) |
|      | MWF 2:00pm - 2:50pm | SQH 1125          |
|      | M 1:00pm - 1:50pm   | SQH 1125          |

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**GREK211      Intermediate Modern Greek I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GREK112; or permission of instructor. Credit only granted for: FOLA118G or GREK211. Formerly: FOLA118G.*

*A continuation of the study of basic structures and the development of fluency in functional, spoken and written communication. This is the first of our two-semester sequence in Intermediate Modern Greek and contributes to the fulfillment of the Global Engagement requirement of the College of Arts and Humanities.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Polyvia Parara        | Seats (Total: 15) |
|      | MWF 10:00am - 10:50am | MMH 1218          |

## **GREK398**

### **Advanced Modern Greek**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Develops advanced communication skills in the modern Greek language: speaking, listening, reading, and writing.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Polyvia Parara        | Seats (Total: 10) |
|      | MWF 11:00am - 11:50am | MMH 1218          |

## **GREK411**

### **Modern Greek Literature and History**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Students must have earned a grade of C- or better in a 300-level Modern Greek course. Restriction: Permission of instructor. Credit only granted for: GREK311 or GREK411. Formerly: GREK311.*

*Students will study historical and political events in Greece during the 19th and 20th centuries through the viewpoint of the man of letters. Poetry, prose, plays, and essays reflect national emancipation, social reconstruction, and political struggles. Readings and discussion are in Modern Greek.*

|      |                   |                  |
|------|-------------------|------------------|
| 0101 | Polyvia Parara    | Seats (Total: 5) |
|      | W 2:00pm - 4:30pm | MMH 1218         |

## **GREK488B**

### **Greek Readings; Intermediate Ancient Greek**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The reading of one or more selected Greek authors. Reports.*

|      |                     |                  |
|------|---------------------|------------------|
| 0101 | Gregory Bucher      | Seats (Total: 5) |
|      | MWF 2:00pm - 2:50pm | SQH 1125         |
|      | M 1:00pm - 1:50pm   | SQH 1125         |



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**GREK488T      Greek Readings; Tragedy and Comedy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The reading of one or more selected Greek authors. Reports.*

|      |                       |                  |
|------|-----------------------|------------------|
| 0101 | Francisco Barrenechea | Seats (Total: 5) |
|      | Tu 5:00pm - 7:40pm    | MMH 1218         |

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**GREK499      Independent Study in Greek Language and Literature**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**GREK688T      Special Topics in Greek Literature; Tragedy and Comedy**

Credits: 3                      Grading Method: Regular,  
Audit

|      |                       |                  |
|------|-----------------------|------------------|
| 0101 | Francisco Barrenechea | Seats (Total: 8) |
|      | Tu 5:00pm - 7:40pm    | MMH 1218         |

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**GREK699      Independent Study in Greek Literature**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**GREK799      Master's Thesis Research**

(Perm req)

Credits: 1-6                      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**GVPT      Government and Politics****Fall 2017**

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**GVPT101      Introduction to Political Science**

Credits: 3                      Grading Method: Regular,      CORE: SB      General Education: DSHS  
Pass-Fail, Audit

*A study of the basic principles and concepts of political science.*

**Contact department for information to register for this course.**

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**GVPT105S****Introduction to Political Ethics**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: SB      General Education: DSHS

*Restriction: Must be in the College Park Scholars program; and must be in International Studies program or Public Leadership program.*

*An examination of major theories of political life and politics as they pertain to international politics, conflict, and culture. Emphasis will be given to theories of ethics and morality that pertain to international studies, such as human rights.*

|      |                     |                   |            |
|------|---------------------|-------------------|------------|
| 0101 | James Glass         | Seats (Total: 25) |            |
|      | MW 2:00pm - 2:50pm  | TYD 0117          |            |
|      | F 9:00am - 9:50am   | EDU 2102          | Discussion |
| 0102 | James Glass         | Seats (Total: 25) |            |
|      | MW 2:00pm - 2:50pm  | TYD 0117          |            |
|      | F 10:00am - 10:50am | EDU 2102          | Discussion |
| 0103 | James Glass         | Seats (Total: 25) |            |
|      | MW 2:00pm - 2:50pm  | TYD 0117          |            |
|      | F 11:00am - 11:50am | TYD 0101          | Discussion |
| 0104 | James Glass         | Seats (Total: 25) |            |
|      | MW 2:00pm - 2:50pm  | TYD 0117          |            |
|      | F 12:00pm - 12:50pm | TYD 0102          | Discussion |

**GVPT158A****Special Topics in Study Abroad I; The European Union**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

**GVPT170****American Government**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: SB      General Education: DSHS

*A comprehensive study of national government in the United States.*

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Patrick Wohlfarth    | Seats (Total: 25) |            |
|      | MW 10:00am - 10:50am | LEF 2205          |            |
|      | F 9:00am - 9:50am    | TYD 0101          | Discussion |

|      |  |   |            |
|------|--|---|------------|
| 0102 | Patrick Wohlfarth<br>MW 10:00am - 10:50am<br>F 9:00am - 9:50am                                       | Seats (Total: 25)<br>LEF 2205<br>TYD 1102 | Discussion |
| 0103 | Patrick Wohlfarth<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am                                     | Seats (Total: 25)<br>LEF 2205<br>TYD 1101 | Discussion |
| 0104 | Patrick Wohlfarth<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am                                     | Seats (Total: 25)<br>LEF 2205<br>TYD 1132 | Discussion |
| 0105 | Patrick Wohlfarth<br>MW 10:00am - 10:50am<br>F 1:00pm - 1:50pm                                       | Seats (Total: 25)<br>LEF 2205<br>JMZ 0125 | Discussion |
| 0106 | Patrick Wohlfarth<br>MW 10:00am - 10:50am<br>F 1:00pm - 1:50pm                                       | Seats (Total: 25)<br>LEF 2205<br>TYD 2102 | Discussion |
| 0107 | Patrick Wohlfarth<br>MW 10:00am - 10:50am<br>F 2:00pm - 2:50pm                                       | Seats (Total: 25)<br>LEF 2205<br>KEY 0126 | Discussion |
| 0108 | Patrick Wohlfarth<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am                                     | Seats (Total: 25)<br>LEF 2205<br>TYD 2109 | Discussion |
| 0109 | Patrick Wohlfarth<br>MW 10:00am - 10:50am<br>F 1:00pm - 1:50pm                                       | Seats (Total: 25)<br>LEF 2205<br>TYD 0101 | Discussion |
| FC01 | Kelsey Hinchliffe<br>MW 6:00pm - 7:15pm<br><br><i>Restricted to students in Freshman Connection.</i> | Seats (Total: 45)<br>ASY 2309             |            |

**GVPT200**
**International Political Relations**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: SB

General Education: DSHS,  
DVUP

*A study of the major factors underlying international relations, the causes of conflict and cooperation among international actors, the role of international institutions, the interactions of domestic and foreign policies, and major issues in security, economy and the environment.*

|      |   |   |            |
|------|---|---|------------|
| 0101 | Todd Allee<br>MW 10:00am - 10:50am<br>F 9:00am - 9:50am   | Seats (Total: 25)<br>TYD 0130<br>WDS 0104 | Discussion |
| 0102 | Todd Allee<br>MW 10:00am - 10:50am<br>F 9:00am - 9:50am   | Seats (Total: 25)<br>TYD 0130<br>TYD 1132 | Discussion |
| 0103 | Todd Allee<br>MW 10:00am - 10:50am<br>F 12:00pm - 12:50pm | Seats (Total: 25)<br>TYD 0130<br>TYD 0111 | Discussion |
| 0104 | Todd Allee<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>TYD 0130<br>WDS 0104 | Discussion |
| 0105 | Todd Allee<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>TYD 0130<br>TYD 1108 | Discussion |
| 0106 | Todd Allee<br>MW 10:00am - 10:50am<br>F 11:00am - 11:50am | Seats (Total: 25)<br>TYD 0130<br>TYD 0111 | Discussion |
| 0107 | Todd Allee<br>MW 10:00am - 10:50am<br>F 9:00am - 9:50am   | Seats (Total: 25)<br>TYD 0130<br>TYD 0111 | Discussion |
| 0108 | Todd Allee<br>MW 10:00am - 10:50am<br>F 12:00pm - 12:50pm | Seats (Total: 25)<br>TYD 0130<br>TYD 1132 | Discussion |
| 0109 | Todd Allee<br>MW 10:00am - 10:50am<br>F 12:00pm - 12:50pm | Seats (Total: 25)<br>TYD 0130<br>SKN 1112 | Discussion |

|      |   |                   |
|------|---|-------------------|
| FC01 | Jennifer Wallace                                      | Seats (Total: 50) |
|      | TuTh 6:00pm - 7:15pm                                  | TYD 1101          |
|      | <i>Restricted to students in Freshmen Connection.</i> |                   |

## GVPT201

### Scope and Methods for Political Science Research

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      General Education: DSSP

*Credit only granted for: GVPT100 or GVPT201. Formerly: GVPT100.*

*An introduction to empirical research in political science.*

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Sarah Croco          | Seats (Total: 25) |            |
|      | MW 1:00pm - 1:50pm   | SHM 2102          |            |
|      | F 9:00am - 9:50am    | TYD 2110          | Discussion |
| 0102 | Sarah Croco          | Seats (Total: 25) |            |
|      | MW 1:00pm - 1:50pm   | SHM 2102          |            |
|      | F 10:00am - 10:50am  | TYD 0111          | Discussion |
| 0103 | Sarah Croco          | Seats (Total: 25) |            |
|      | MW 1:00pm - 1:50pm   | SHM 2102          |            |
|      | F 9:00am - 9:50am    | TYD 1114          | Discussion |
| 0104 | Sarah Croco          | Seats (Total: 25) |            |
|      | MW 1:00pm - 1:50pm   | SHM 2102          |            |
|      | F 1:00pm - 1:50pm    | TYD 0111          | Discussion |
| 0105 | Sarah Croco          | Seats (Total: 25) |            |
|      | MW 1:00pm - 1:50pm   | SHM 2102          |            |
|      | F 10:00am - 10:50am  | TYD 0101          | Discussion |
| 0106 | Sarah Croco          | Seats (Total: 25) |            |
|      | MW 1:00pm - 1:50pm   | SHM 2102          |            |
|      | F 1:00pm - 1:50pm    | SKN 1115          | Discussion |
| 0201 | Sarah Croco          | Seats (Total: 25) |            |
|      | MW 10:00am - 10:50am | TYD 2106          |            |
|      | F 9:00am - 9:50am    | BPS 1232          | Discussion |

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0202 | Sarah Croco          | Seats (Total: 25) |            |
|      | MW 10:00am - 10:50am | TYD 2106          |            |
|      | F 10:00am - 10:50am  | BPS 1238          | Discussion |
| 0203 | Sarah Croco          | Seats (Total: 25) |            |
|      | MW 10:00am - 10:50am | TYD 2106          |            |
|      | F 1:00pm - 1:50pm    | TYD 1118          | Discussion |

## GVPT205S

### Special Topics in International Ethics, Conflict, and Immigration

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB      General Education: DSHS, DVUP

*Prerequisite: GVPT105. Recommended: GVPT241. Restriction: Must be in College Park Scholars program; and must be in GVPT international Studies program.*

*An examination of issues in international ethics, conflict generated at the international level, and problems in immigration policy and law, including theories of rights and immigration, and ideological sources of international violence.*

|      |                    |                   |            |
|------|--------------------|-------------------|------------|
| 0101 | Richard Boyd       | Seats (Total: 26) |            |
|      | Tu 2:00pm - 3:15pm | SQH 1120          |            |
|      | Th 2:00pm - 3:15pm | TYD 1118          | Discussion |
| 0102 | Richard Boyd       | Seats (Total: 26) |            |
|      | Tu 2:00pm - 3:15pm | SQH 1120          |            |
|      | Th 2:00pm - 3:15pm | JMZ 1224          | Discussion |
| 0103 | Richard Boyd       | Seats (Total: 26) |            |
|      | Tu 2:00pm - 3:15pm | SQH 1120          |            |
|      | Th 2:00pm - 3:15pm | TYD 2109          | Discussion |
| 0104 | Richard Boyd       | Seats (Total: 26) |            |
|      | Tu 2:00pm - 3:15pm | SQH 1120          |            |
|      | Th 2:00pm - 3:15pm | JMZ 3120          | Discussion |

## GVPT217

### Mock Trial

(Perm req)

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Also offered as: MLAW217. Credit only granted for: MLAW217, GVPT217, or GVPT319A. Formerly: GVPT319A.*

*Experience the excitement and reward of arguing, and perhaps winning your client's case in court. Mock Trial is designed for students who are interested in learning practical techniques for shaping the evidence, using the law, and exploiting the courtroom to create a coherent and convincing case theory*

*[Click here for course permission.](#)*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | William Mundy     | Seats (Total: 30) |
|      | W 6:30pm - 9:15pm | TYD 2106          |

## **GVPT221 Introduction to Formal Theories of Political Behavior and Politics**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GVPT170.*

*An introduction to the theories of rational choice including theories of negotiation and bargaining, elections and voting in democracies, community organizing and the contrast between the roles and performances of government and market.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Piotr Swistak      | Seats (Total: 30) |
|      | Th 2:00pm - 4:45pm | TYD 0101          |

## **GVPT241 The Study of Political Philosophy: Ancient and Modern**

Credits: 3      Grading Method: Regular,      General Education: DSSP  
Pass-Fail, Audit

*Examines some of the salient continuities and breaks between the ancient and modern traditions in Western political philosophy.*

|      |                     |                          |
|------|---------------------|--------------------------|
| 0101 | Brandon Ives        | Seats (Total: 22)        |
|      | MW 2:00pm - 2:50pm  | LEF 2205                 |
|      | F 9:00am - 9:50am   | LEF 1222      Discussion |
| 0102 | Brandon Ives        | Seats (Total: 22)        |
|      | MW 2:00pm - 2:50pm  | LEF 2205                 |
|      | F 9:00am - 9:50am   | KNI 1103      Discussion |
| 0103 | Brandon Ives        | Seats (Total: 22)        |
|      | MW 2:00pm - 2:50pm  | LEF 2205                 |
|      | F 10:00am - 10:50am | KNI 1103      Discussion |

|      |   |   |            |
|------|---|---|------------|
| 0104 | Brandon Ives<br>MW 2:00pm - 2:50pm<br>F 10:00am - 10:50am | Seats (Total: 22)<br>LEF 2205<br>LEF 1171 | Discussion |
| 0105 | Brandon Ives<br>MW 2:00pm - 2:50pm<br>F 11:00am - 11:50am | Seats (Total: 22)<br>LEF 2205<br>TYD 1102 | Discussion |
| 0106 | Brandon Ives<br>MW 2:00pm - 2:50pm<br>F 11:00am - 11:50am | Seats (Total: 22)<br>LEF 2205<br>LEF 1221 | Discussion |
| 0107 | Brandon Ives<br>MW 2:00pm - 2:50pm<br>F 1:00pm - 1:50pm   | Seats (Total: 22)<br>LEF 2205<br>LEF 1171 | Discussion |
| 0108 | Brandon Ives<br>MW 2:00pm - 2:50pm<br>F 1:00pm - 1:50pm   | Seats (Total: 22)<br>LEF 2205<br>TYD 1114 | Discussion |
| FC01 | Neil Lund<br>TuTh 7:30pm - 8:45pm                         | Seats (Total: 40)<br>TYD 2108             |            |

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**GVPT258B**      **Introduction to Political Science Topics in Study Abroad; Enemy Within: Spies and Espionage in the Cold War**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in political science taken as part of an approved study abroad program.*

**Contact department for information to register for this course.**

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**GVPT258C**      **Introduction to Political Science Topics in Study Abroad; Government and Politics in China**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in political science taken as part of an approved study abroad program.*

**Contact department for information to register for this course.**

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**GVPT258D**      **Introduction to Political Science Topics in Study Abroad; Danish Politics and Society**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit



*The study of topics in political science taken as part of an approved study abroad program.*

**Contact department for information to register for this course.**

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**GVPT258E      Introduction to Political Science Topics in Study Abroad; Government and Politics in Spain**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in political science taken as part of an approved study abroad program.*

**Contact department for information to register for this course.**

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**GVPT258F      Introduction to Political Science Topics in Study Abroad; European Union Law and Economic Integration**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in political science taken as part of an approved study abroad program.*

**Contact department for information to register for this course.**

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**GVPT258I      Introduction to Political Science Topics in Study Abroad; Government and Politics in Italy and Europe**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in political science taken as part of an approved study abroad program.*

**Contact department for information to register for this course.**

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**GVPT258N      Introduction to Political Science Topics in Study Abroad; Arms Control in the Nuclear Realm**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in political science taken as part of an approved study abroad program.*

**Contact department for information to register for this course.**

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**GVPT258P      Introduction to Political Science Topics in Study Abroad; Sustainable Development: Environmental, Political and Social Issues**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in political science taken as part of an approved study abroad program.*

**Contact department for information to register for this course.**

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**GVPT258R      Introduction to Political Science Topics in Study Abroad; Peace and Conflict Honors Seminar II: Regional Conflicts**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in political science taken as part of an approve study abroad program.*

**Contact department for information to register for this course.**

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**GVPT258T      Introduction to Political Science Topics in Study Abroad; Terrorism and Political Violence**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in political science taken as part of an approve study abroad program.*

**Contact department for information to register for this course.**

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**GVPT273      Introduction to Environmental Politics**

Credits: 3                      Grading Method: Regular,                      General Education: DSSP  
Pass-Fail, Audit

*An overview of modern environmental philosophy, politics, and policy, exploring environmental politics in the US by way of comparison with other developed and developing countries.*

|   |                    |                   |
|---|--------------------|-------------------|
| FC01  | Stephen Arves      | Seats (Total: 40) |
|   | MW 4:30pm - 5:45pm | BPS 1238          |
| <i>Restricted to students in Freshmen Connection.</i> |                    |                   |

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**GVPT280      The Study of Comparative Politics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GVPT100.*

*An introduction to the comparative study of politics and governance, including the analytical concepts for studies of politics and a survey of the major types of regimes, including democratic and authoritarian/communist regimes.*

**Contact department for information to register for this course.**

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**GVPT289B      Special Topics in Government and Politics; Globalization**

Credits: 1-6                      Grading Method: Regular,  
Pass-Fail, Audit

*Substantive issues of and theoretical approaches to political phenomenon. Topics and credit vary.*

**Contact department for information to register for this course.**

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**GVPT289L      Special Topics in Government and Politics; Religions, Beliefs, and World Affairs**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSHS,  
DVUP, SCIS

*Substantive issues of and theoretical approaches to political phenomenon. Topics and credit vary.*

|      |  |   |            |
|------|--|---|------------|
| 0101 | John McCauley<br>MW 10:00am - 10:50am<br>F 9:00am - 9:50am   | Seats (Total: 20)<br>JMZ 0220<br>TYD 1108 | Discussion |
| 0102 | John McCauley<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 20)<br>JMZ 0220<br>TYD 2102 | Discussion |
| 0103 | John McCauley<br>MW 10:00am - 10:50am<br>F 1:00pm - 1:50pm   | Seats (Total: 20)<br>JMZ 0220<br>LEF 1222 | Discussion |
| 0104 | John McCauley<br>MW 10:00am - 10:50am<br>F 9:00am - 9:50am   | Seats (Total: 20)<br>JMZ 0220<br>TYD 0102 | Discussion |
| 0105 | John McCauley<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 20)<br>JMZ 0220<br>TYD 0102 | Discussion |
| 0106 | John McCauley<br>MW 10:00am - 10:50am<br>F 1:00pm - 1:50pm   | Seats (Total: 20)<br>JMZ 0220<br>TYD 1132 | Discussion |

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**GVPT2890**

**Special Topics in Government and Politics; Racial and Ethnic Politics in the Obama Era**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSHS,  
DVUP, SCIS

*Substantive issues of and theoretical approaches to political phenomenon. Topics and credit vary.*

|      |  |   |            |
|------|--|---|------------|
| 0101 | Antoine Banks<br>TuTh 11:00am - 11:50am<br>F 9:00am - 9:50am   | Seats (Total: 20)<br>ESJ 1224<br>BPS 0283 | Discussion |
| 0102 | Antoine Banks<br>TuTh 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 20)<br>ESJ 1224<br>TWS 1107 | Discussion |

|      |                        |                   |            |
|------|------------------------|-------------------|------------|
| 0103 | Antoine Banks          | Seats (Total: 20) |            |
|      | TuTh 11:00am - 11:50am | ESJ 1224          |            |
|      | F 1:00pm - 1:50pm      | TYD 2109          | Discussion |
| 0104 | Antoine Banks          | Seats (Total: 20) |            |
|      | TuTh 11:00am - 11:50am | ESJ 1224          |            |
|      | F 9:00am - 9:50am      | ASY 3217          | Discussion |
| 0105 | Antoine Banks          | Seats (Total: 20) |            |
|      | TuTh 11:00am - 11:50am | ESJ 1224          |            |
|      | F 10:00am - 10:50am    | BPS 1236          | Discussion |
| 0106 | Antoine Banks          | Seats (Total: 20) |            |
|      | TuTh 11:00am - 11:50am | ESJ 1224          |            |
|      | F 1:00pm - 1:50pm      | LEF 1221          | Discussion |

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**GVPT289X      Special Topics in Government and Politics; Introduction to European Union**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Substantive issues of and theoretical approaches to political phenomenon. Topics and credit vary.*

**Contact department for information to register for this course.**

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**GVPT306      Global Environmental Politics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GVPT200.*

*Focus on three processes of international environmental policy development- identifying problems, negotiating solutions, and implementing agreements- through a range of case studies, including global climate change.*

|      |                       |                   |  |
|------|-----------------------|-------------------|--|
| 0101 | Jennifer Hadden       | Seats (Total: 30) |  |
|      | TuTh 12:30pm - 1:45pm | TYD 1102          |  |

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**GVPT309H      Topics in International Relations; British Politics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in international relations.*

**Contact department for information to register for this course.**

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**GVPT309L Topics in International Relations; Israel & Arab Spring**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in international relations.*

Also offered as ISRL329E. Credit granted for ISRL329E or GVPT309L. This course will explore and analyze the political, diplomatic, and strategic effects of the Arab Spring and its continuing after effects on the State of Israel, using that as a lens to study the contemporary Middle East. It starts with a preliminary study of Israel's foreign policy and then examines the effects of the Arab Spring on its domestic politics: relations with other regional actors, the Palestinians, and the United States; and Israel's strategy towards non-state actors such as Hamas, Hezbollah and ISIS.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Moran Stern       | Seats (Total: 40) |
|      | W 4:00pm - 6:30pm | TYD 2111          |

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**GVPT319C Topics in Social Advocacy; Careers in the Social Sector**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, research and discussion of variety of topics related to social advocacy.*

An overview of careers in the social sector ecosystem (International Organizations, Entrepreneurship, Federal Government, etc.). We will review common jobs, career tracks, and how to enter and move between different parts of the sector.

|      |   |                   |
|------|---|-------------------|
| 0101 | Sarah Wolek                                     | Seats (Total: 30) |
|      | <b>Meets August 28, 2017 - October 25, 2017</b> |                   |
|      | W 11:00am - 12:25pm                             | TYD 1108          |

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**GVPT354 International Development and Conflict Management**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Enrollment is restricted to students in the Minor in International Development and Conflict Management; and permission of BSOS-Government & Politics department; and sophomore standing or higher. Additional information: Students are expected to take the course during the Fall semester after admission to the program.*

*Serves as the gateway course for the Minor in International Development and Conflict Management. Provides an introductory foundation in the theory and practice of international development and conflict management. Introduces the structures, key players, intersections, and main trends in the evolution of the fields. Explores causal factors that drive economic growth, poverty, inequality, and conflict, as well as the resources, methods, and tools available to track and address these issues.*

|      |                     |                     |
|------|---------------------|---------------------|
| 0101 | Jacob Lewis         | Seats (Total: 25)   |
|      | W 2:00pm - 3:40pm   | JMZ 0220            |
|      | F 9:00am - 9:50am   | KEY 0126 Discussion |
| 0102 | Jacob Lewis         | Seats (Total: 25)   |
|      | W 2:00pm - 3:40pm   | JMZ 0220            |
|      | F 10:00am - 10:50am | KEY 1117 Discussion |
| 0103 | Jacob Lewis         | Seats (Total: 25)   |
|      | W 2:00pm - 3:40pm   | JMZ 0220            |
|      | F 12:00pm - 12:50pm | TYD 2111 Discussion |

### GVPT356

### Capstone in International Development

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      General Education: DSSP,  
DVCC

*Prerequisite: GVPT354. Restriction: Enrollment is restricted to students in the Minor in International Development and Conflict Management; and sophomore standing or higher; and permission of BSOS-Government & Politics department.*

*Serves as one of the two capstone courses for the Minor in International Development and Conflict Management. Focuses on advanced theory and the practice and profession of international development and is designed to provide students an introduction to, and a chance to engage with, a core set of practical skills relevant to the field.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Matthew Regan      | Seats (Total: 40) |
|      | Tu 2:00pm - 4:45pm | TYD 2108          |

### GVPT358A

### Study Abroad Seminar in Political Science; Migration and Multiculturalism in Europe

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in political science.*

**Contact department for information to register for this course.**

### GVPT358D

### Study Abroad Seminar in Political Science; Politics and Economy of Spain

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in political science.*

**Contact department for information to register for this course.**

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**GVPT358F      Study Abroad Seminar in Political Science; Government and Politics in France**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in political science.*

**Contact department for information to register for this course.**

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**GVPT358G      Study Abroad Seminar in Political Science; History and Politics of Modern Italy: The 20th Century**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in political science.*

**Contact department for information to register for this course.**

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**GVPT358P      Study Abroad Seminar in Political Science; Political Rhetoric: Blogs, Speeches, and Spin**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in political science.*

**Contact department for information to register for this course.**

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**GVPT358R      Study Abroad Seminar in Political Science; Religion and Politics in Europe**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in political science.*

**Contact department for information to register for this course.**

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**GVPT376      Applied Field Research in Government and Politics**

(Perm req)

Credits: 3-6                      Grading Method: Sat-Fail

*Prerequisite: GVPT170. Corequisite: GVPT377.*

*Students in this course participate as interns in an agency of government or in some other appropriate political organization. Assignments are arranged to provide students with insights into both theoretical and practical aspects of politics. Under the tutelage of the host agency and an academic advisor, students conduct a major research project of mutual interest to the student and his or her host agency in the field of government and politics.*

**Contact department for information to register for this course.**

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**GVPT386**

**Experiential Learning**

(Perm req)

Credits: 3-6

Grading Method: Regular,  
Pass-Fail

*Restriction: Permission of BSOS-Government & Politics department; and junior standing or higher.*

**Contact department for information to register for this course.**

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**GVPT388**

**Topical Investigations**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Independent research and writing on selected topics in government and politics.*

Permission of Director of Undergraduate Studies required.

**Contact department for information to register for this course.**

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**GVPT388B**

**Topical Investigations; Innovation in the Public Sector**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Independent research and writing on selected topics in government and politics.*

Prerequisite: PSYC100, GVPT100 or ECON200. Also offered as GVPT388B. Credit will be granted for BSOS388f or GVPT 388B. How does innovation occur in the public sector? How can government serve as a catalyst for problem-solving? Using the tools of innovation and entrepreneurship, this laboratory course engages students in a semester-long project to innovate change around a specific public sector issue or industry in our local or regional community. Some examples might include: public broadband access, sustainability infrastructure, transportation improvements, or health care access in the College Park, Prince George's, or Maryland communities. Lead instructor Ken Ulman,'97 is the former Howard County Executive who now heads the University's efforts to transform College Park into one of the most innovative university towns in the country. For permission to register, email [bsos-ugdean@umd.edu](mailto:bsos-ugdean@umd.edu) with your name, UID and a brief statement of why this course is of interest to you.

|      |                                |                   |
|------|--------------------------------|-------------------|
| 0101 | Samantha O'Neil, Kenneth Ulman | Seats (Total: 20) |
|      | W 4:00pm - 6:30pm              | CHT 2113          |



**GVPT388M****Topical Investigations; Mock Trial**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Independent research and writing on selected topics in government and politics.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | William Mundy     | Seats (Total: 40) |
|      | W 6:30pm - 9:15pm | TYD 2108          |

**GVPT388W****Topical Investigations; Experiential Learning: Maryland, Public Policy, and Beyond**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Independent research and writing on selected topics in government and politics.*

Four required in-class meetings on the following Tuesdays from 6:30pm-9:15pm: September 5th, October 24th, November 14th and December 5th. All other class meeting will be online.

|      |   |                   |
|------|---|-------------------|
| 0101 | Casey Burgat                                  | Seats (Total: 40) |
|      | Class time/details on ELMs                    | ONLINE            |
|      | Contact instructor or department for details. |                   |

**GVPT389****Experiential Learning II**

(Perm req)

Credits: 3-6      Grading Method: Regular,  
Pass-Fail, Audit

*Experiential credit for working in government & politics related internships, research, and teaching opportunities.*

Junior standing.

**Contact department for information to register for this course.**

**GVPT390****Game Theory**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must not have completed ECON414. Credit only granted for: GVPT399A, GVPT390, CMSC474 or ECON414. Formerly: GVPT399A.*

*Introduction to game theory with applications to political science, economics and sociology. Topics include preference theory, expected utility theory, Nash equilibria, subgame perfection, repeated games, folk theorems, and evolutionary stability.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Piotr Swistak      | Seats (Total: 30) |
|      | Tu 2:00pm - 4:45pm | TYD 0101          |

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**GVPT392 Introduction to Geographic Information Systems for Social Science Research**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: GVPT392, GVPT429A, or GVPT729D. Formerly: GVPT429A, GVPT729D.*

*Introduction to the use of Geographic Information Systems for conducting research in the social sciences. Overview of spatially embedded nature of many social science phenomena and content of theories common to spatial thinking. Students will obtain hands-on experience with various GIS tools and methods most frequently employed by social scientists.*

Recommended: At least one course in statistics. Note: Students are required to bring a laptop to every class meeting.

|      |                    |                          |
|------|--------------------|--------------------------|
| 0101 | James Gimpel       | Seats (Total: 45)        |
|      | M 9:00am - 10:30am | TYD 2102                 |
|      | W 9:00am - 10:30am | TYD 2102      Discussion |

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**GVPT396 Introduction to Honors Research**

(Perm req) Credits: 3      Grading Method: Regular

*Restriction: Must be in Government & Politics Honors Program; and must have permission of the Government & Politics Honors Program.*

*A required course for all honors students designed to emphasize library research, methodology, and writing skills in political science and political philosophy. A written proposal, bibliography and research design for an honors paper required of all students as a final project.*

**Contact department for information to register for this course.**

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**GVPT397 Honors Research**

(Perm req) Credits: 3      Grading Method: Regular

*Prerequisite: GVPT396. Restriction: Must be in Government & Politics Honors Program.*

*Individual reading and research. Preparation of an original paper.*

**Contact department for information to register for this course.**

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**GVPT399C Seminar in Government and Politics; The Case of Catalonia**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.*

**Contact department for information to register for this course.**

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**GVPT399D                      Seminar in Government and Politics; Society and Politics in Contemporary Spain**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.*

**Contact department for information to register for this course.**

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**GVPT399I                      Seminar in Government and Politics; Globalization**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.*

**Contact department for information to register for this course.**

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**GVPT399L                      Seminar in Government and Politics; British Politics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.*

**Contact department for information to register for this course.**

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**GVPT399N                      Seminar in Government and Politics; Political Movements in the European Union**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.*

**Contact department for information to register for this course.**

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**GVPT399X Seminar in Government and Politics; Political Movements in the European Union**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.*

**Contact department for information to register for this course.**

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**GVPT406 International Organizations**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GVPT200. Restriction: Must be in Government & Politics program; and junior standing or higher. Or must be in Government & Politics: International Relations program; and junior standing or higher.*

*A basic introduction to the full range of international organizations that have come into being over the past century and one-half, including those that aspire to be universal or global, those with a geopolitical or regional focus, and those that address specific structural or functional areas of human endeavor or issue areas.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Todd Allee        | Seats (Total: 30) |
|      | W 2:00pm - 4:45pm | TYD 0102          |

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**GVPT409G Seminar in International Relations and World Politics; Corporations and the Global Political Economy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, writing, and research on topics in international relations and world politics. Both substantive issues and methodological approaches will be considered.*

Prerequisite: GVPT200. Restriction: Must be in Government and Politics program. The rise of global corporations is one of the distinctive features of globalization. What are the origins of the modern global corporation? What is their impact on politics, society and the economy? This course seeks to convey a sophisticated understanding that goes beyond bumper stickers maligning corporations or celebrating unfettered capitalism, to deepen the students understanding of multinationals as complex and powerful organizations, and to learn a variety of perspectives on multinational corporate activity.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Gonzalo Paz        | Seats (Total: 30) |
|      | MW 3:00pm - 4:15pm | TYD 2109          |

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**GVPT409H Seminar in International Relations and World Politics; China and the World**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, writing, and research on topics in international relations and world politics. Both substantive issues and methodological approaches will be considered.*

Prerequisite: GVPT100. Restriction: Must be in the Government and Politics Honors Program.

|      |                                 |                   |
|------|---------------------------------|-------------------|
| 0101 | Scott Kastner, Margaret Pearson | Seats (Total: 20) |
|      | W 2:00pm - 4:45pm               | TYD 0111          |

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**GVPT409P      Seminar in International Relations and World Politics; Conflict in the International System**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, writing, and research on topics in international relations and world politics. Both substantive issues and methodological approaches will be considered.*

Prerequisite: GVPT200. Restriction: Must be in Government and Politics program.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | David Cunningham       | Seats (Total: 30) |
|      | TuTh 11:00am - 12:15pm | TYD 1102          |

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**GVPT409V      Seminar in International Relations and World Politics; Game Theory And International Security**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, writing, and research on topics in international relations and world politics. Both substantive issues and methodological approaches will be considered.*

**Contact department for information to register for this course.**

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**GVPT409W      Seminar in International Relations and World Politics; Southeast Asia in Contemporary Global Politics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, writing, and research on topics in international relations and world politics. Both substantive issues and methodological approaches will be considered.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Jennifer Wallace     | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm | ARC 1105          |

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**GVPT417      Seminar in Advanced Topics in Environmental Policy Analysis**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GVPT273. Restriction: Must be in one of the following programs (Government & Politics; Environmental Sci&Policy-Env Politics & Policy). Credit only granted for: GVPT419B or GVPT417. Formerly: GVPT419B.*

*A series of critical tools and methods used to analyze environmental policy. This class should be of interest to students who are either considering a career or graduate studies in environmental protection.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Isabella Alcaniz     | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm | SQH 1117          |

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**GVPT419A      Seminar in Public Policy; Public Policy Process in the US**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, writing, and research on topics in public policy. Both substantive issues and methodological approaches will be considered.*

Restriction: Must be in Government and Politics program.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Frances Lee          | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm | TYD 1102          |

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**GVPT420      The Logic and Practice of Measuring Political Behavior**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GVPT201. Restriction: Must be in Government & Politics program; or must be in Government & Politics: International Relations program.*

*Introduction to concepts and practices used for measuring political behavior. Political analysis is an increasingly quantitative field, It is crucial for students of political behavior to learn how to define concepts in concrete ways, examine different methods of measuring concepts, learn how to test the quality of chosen measures, learn how to construct richer measures out of multiple questions, and finally how to examine the relationship between multiple measures of similar concepts. Common pitfalls, errors, bias, and ethics will be examined along the way.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Lilliana Mason    | Seats (Total: 30) |
|      | W 2:00pm - 4:45pm | TYD 0101          |

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**GVPT423      Elections and Electoral Behavior**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GVPT241 and GVPT170. Restriction: Must be in Government & Politics program.*

*An examination of various topics relating to elections; the focus includes the legal structure under which elections are conducted, the selection and nomination process, the conduct of election campaigns, and patterns of political participation and voting choice in different types of elections.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | James Gimpel      | Seats (Total: 30) |
|      | M 2:00pm - 4:45pm | TYD 0101          |

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**GVPT431                      Introduction to Constitutional Law**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GVPT241 and GVPT170. Restriction: Must be in Government & Politics program; and junior standing or higher.*

*A systematic inquiry into the general principles of the American constitutional system, with special reference to the role of the judiciary in the interpretation and enforcement of the federal constitution.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Michael Spivey     | Seats (Total: 75) |
|      | MW 1:00pm - 2:15pm | TYD 2109          |

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**GVPT432                      Civil Rights and the Constitution**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GVPT241 and GVPT331. Restriction: Must be in Government & Politics program.*

*A study of civil rights in the American constitutional context, emphasizing freedom of religion, freedom of expression, minority discrimination, and the rights of defendants.*

|   |                    |                   |
|---|--------------------|-------------------|
| SG91  | Samantha Davis     | Seats (Total: 40) |
|   | Tu 3:30pm - 6:00pm | BLD3 2225         |
| <i>Limit to CCJS students at Shady Grove.</i> |                    |                   |

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**GVPT439C                      Seminar in Public Law; Current Issues in the Supreme Court**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, writing, and research on topics in public law. Both substantiv issues and methodological approaches will be considered.*

Restriction: Must be in the Government and Politics program. Recommended prerequisites: GVPT431 and GVPT432.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Michael Spivey     | Seats (Total: 30) |
|      | MW 4:00pm - 5:15pm | TYD 1132          |

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**GVPT443 Contemporary Political Theory**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GVPT241. Restriction: Must be in Government & Politics program.*

*A survey of the principal political theories and ideologies set forth in the works of writers from Karl Marx to the present.*

**Contact department for information to register for this course.**

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**GVPT456 The Politics of Terrorism**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GVPT200. Restriction: Must be in Government & Politics program; or must be in Government & Politics: International Relations program. Credit only granted for: GVPT456 or GVPT459T. Formerly: GVPT459T.*

*Examination of the definition, causes and organization of terrorist activity, along with key domestic and international counter- and anti-terrorism responses. Special emphasis on challenges and opportunities to the scientific study of terrorism.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Kanisha Bond          | Seats (Total: 30) |
|      | TuTh 9:30am - 10:45am | TYD 1118          |

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**GVPT457 American Foreign Relations**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GVPT200. Restriction: Must be in Government & Politics program; and junior standing or higher.*

*The principles and machinery of the conduct of American foreign relations, with emphasis on the Departments of State and Defense, and an analysis of the major foreign policies of the United States.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Jennifer Wallace  | Seats (Total: 30) |
|      | W 2:00pm - 4:45pm | MTH 0402          |



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**GVPT458A      Special Topics in Study Abroad IV; Inequality, Poverty and Globalization**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**GVPT458F      Special Topics in Study Abroad IV; Integration, Conflict and Security in Europe**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**GVPT458K      Special Topics in Study Abroad IV; Themes and Issues in Transatlantic Relations**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**GVPT458M      Special Topics in Study Abroad IV; Modern Central European Politics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**GVPT458W      Special Topics in Study Abroad IV; US & Europe Since 1945**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**GVPT458X      Special Topics in Study Abroad IV; European Legal Traditions**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**GVPT458Y      Special Topics in Study Abroad IV; Environmental Politics and Policy in Europe**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**GVPT458Z      Special Topics in Study Abroad IV; Contemporary Germany in European Perspective**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**GVPT459B      Seminar in Comparative Politics; Comparative Political Institutions**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, writing, and research on topics in comparative politics. Both substantive issues and methodological approaches will be considered.*

Prerequisite: GVPT280 or GVPT282. Restriction: Must be in Government and Politics program.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Ernesto Calvo         | Seats (Total: 30) |
|      | TuTh 9:30am - 10:45am | TYD 0101          |

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**GVPT459H      Seminar in Comparative Politics; Tweeting Political Crises**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, writing, and research on topics in comparative politics. Both substantive issues and methodological approaches will be considered.*

Restriction: Must be in the Government and Politics Honors program.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Ernesto Calvo         | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | TYD 1114          |

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**GVPT459I      Seminar in Comparative Politics; Thinking Like a Citizen: Civic Ideals and Civic Practices**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, writing, and research on topics in comparative politics. Both substantive issues and methodological approaches will be considered.*

Prerequisite: GVPT200 or GVPT280. Restriction: Must be in the Government and Politics program. All other majors will be placed on the holdfile. This course is an introduction to the emerging field of civic studies. It takes as a starting point the idea of citizens as co-creators of their many worlds, their various communities, their countries, and of course the literal world. We will look into what knowledge and what ways of thinking are most helpful to such co-creators. Topics will include: civic work in the small (human interaction, politics, power resources), finding and building shared ground, impediments to civic action (problem of a collective action, limited human brain, the power of the status quo), and venues of civic action (including communities, social movements, countries, and the world).

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Karol Soltan         | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm | TYD 1132          |

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**GVPT459K Seminar in Comparative Politics; Russian Politics: From Lenin to Putin**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, writing, and research on topics in comparative politics. Both substantive issues and methodological approaches will be considered.*

Prerequisite: GVPT280 or GVPT282. Restriction: Must be in Government and Politics program.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Vladimir Tismaneanu    | Seats (Total: 30) |
|      | TuTh 11:00am - 12:15pm | TYD 1118          |

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**GVPT459M Seminar in Comparative Politics; Social Movements**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, writing, and research on topics in comparative politics. Both substantive issues and methodological approaches will be considered.*

Prerequisite: GVPT280 or GVPT282. Restriction: Must be in Government and Politics program.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Kanisha Bond          | Seats (Total: 30) |
|      | TuTh 12:30pm - 1:45pm | TYD 1101          |

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**GVPT459X Seminar in Comparative Politics; Political Radicalism**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, writing, and research on topics in comparative politics. Both substantive issues and methodological approaches will be considered.*

Prerequisite: GVPT280 or GVPT282. Restriction: Must be in Government and Politics program.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Vladimir Tismaneanu | Seats (Total: 30) |
|      | Th 2:00pm - 4:45pm  | TYD 2108          |

## **GVPT460 Problems in State and Local Government**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GVPT241 and GVPT170. Recommended: GVPT260. Restriction: Must be in Government & Politics program.*

*A study of the structure, procedures and policies of state and local governments with special emphasis on the state level and on intergovernmental relationships, and with illustrations from Maryland governmental arrangements.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Stella Rouse           | Seats (Total: 30) |
|      | TuTh 11:00am - 12:15pm | TYD 0101          |

## **GVPT473 The U.S. Congress**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GVPT241 and GVPT170. Restriction: Junior standing or higher. And must be in Government & Politics program; or must be in Government & Politics: International Relations program.*

*A detailed survey of lawmaking and the legislative process, emphasizing the U.S. Congress, and its members.*

|      |                      |                                  |
|------|----------------------|----------------------------------|
| 0101 | Eric Uslaner         | Seats (Total: 25)                |
|      | MW 10:00am - 10:50am | TYD 1101                         |
|      | F 1:00pm - 1:50pm    | TYD 0102              Discussion |
| 0102 | Eric Uslaner         | Seats (Total: 25)                |
|      | MW 10:00am - 10:50am | TYD 1101                         |
|      | F 10:00am - 10:50am  | ARC 1105              Discussion |
| 0103 | Eric Uslaner         | Seats (Total: 25)                |
|      | MW 10:00am - 10:50am | TYD 1101                         |
|      | F 9:00am - 9:50am    | ASY 3215              Discussion |

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**GVPT479G Seminar in American Politics; Interest Groups and Social Movements**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, writing, and research on topics in American politics. Both substantive issues and methodological approaches will be considered.*

Restriction: Must be in the Government and Politics program.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Kristina Miler     | Seats (Total: 30) |
|      | Tu 2:00pm - 4:45pm | TYD 1118          |

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**GVPT479H Seminar in American Politics; POLITICAL AMBITION**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, writing, and research on topics in American politics. Both substantive issues and methodological approaches will be considered.*

Restriction: Must be in the Government and Politics Honors program.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Frances Lee            | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | TYD 0102          |

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**GVPT479Y Seminar in American Politics; POLITICAL PSYCHOLOGY**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, writing, and research on topics in American politics. Both substantive issues and methodological approaches will be considered.*

Restriction: Must be in Government and Politics program.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Antoine Banks        | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm | TYD 1101          |

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**GVPT482 Government and Politics of Latin America**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in Government & Politics program; or must be in Government & Politics: International Relations program.*

*A comparative study of the governmental systems and political processes of the Latin American countries.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Gonzalo Paz        | Seats (Total: 26) |
|      | MW 1:00pm - 2:15pm | HBK 0109          |

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**GVPT484      Government and Politics of Africa**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GVPT282 or GVPT280. Restriction: Must be in one of the following programs (Government & Politics; Government & Politics: International Relations).*

*A comparative study of the governmental systems and political processes of the African countries, with special emphasis on the problems of nation-building in emergent countries.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | John McCauley      | Seats (Total: 30) |
|      | MW 2:00pm - 3:15pm | TYD 2106          |

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**GVPT485      Government and Politics of the Middle East**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GVPT200; and (GVPT282 or GVPT280). Restriction: Must be in Government & Politics program.*

*A comparative study of the governmental systems and political processes of the African countries, with special emphasis on the problems of nation-building in emergent countries.*

**Contact department for information to register for this course.**

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**GVPT487      Government and Politics of China**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in one of the following programs (Government & Politics; Government & Politics: International Relations) ; and junior standing or higher. Credit only granted for: GVPT359A or GVPT487. Formerly: GVPT359A.*

*Discussion of major issues in the study of the domestic politics of the People's Republic of China.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Margaret Pearson       | Seats (Total: 30) |
|      | TuTh 11:00am - 12:15pm | TYD 2110          |

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## Teaching Political Science

*Problems in teaching political science. Topics covered include lecture and discussion strategies, creation of an active learning environment, construction and evaluation of examinations, department and university policies, and dealing with various types of teaching problems. This course does not carry credit towards any degree at the University.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Kathleen Cunningham                           | Seats (Total: 20) |
|      | Contact instructor or department for details. |                   |

## Quantitative Methods For Political Science

*Introduction to quantitative methods of data analysis, with emphasis on statistical methods and computer usage. Measures of association, probability, correlation, linear regression estimation techniques, introductory analysis of variance, and use of package computer programs.*

Course will meet in the LeFrak OASIS lab. For GVPT majors only.

|      |                   |                   |            |
|------|-------------------|-------------------|------------|
| 0101 | Patrick Wohlfarth | Seats (Total: 12) |            |
|      | M 3:30pm - 6:15pm | LEF 0214          |            |
|      | F 2:00pm - 4:00pm | LEF 0214          | Discussion |

## Scope and Method of Political Science

*Required of all Ph.D. candidates. A seminar in the methodologies of political science, and their respective applications to different research fields. Interdisciplinary approaches and bibliographical techniques are also reviewed.*

For GVPT majors only.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Mark Lichbach       | Seats (Total: 12) |
|      | Th 9:30am - 12:15pm | TYD 1136          |

## Seminar in International Relations Theory; International Relations Theory

Credits: 3      Grading Method: Regular, Audit

*An examination of the major approaches, concepts, and theories in the study of world politics with special emphasis on contemporary literature.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Paul Huth           | Seats (Total: 12) |
|      | Tu 9:30am - 12:15pm | TYD 1111          |

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**GVPT718C      Selected Topics in Political Science; New Methods in the Study of Conflict**

Credits: 3                      Grading Method: Regular,  
   Audit

*Selected topics in the field of political science.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | David Cunningham   | Seats (Total: 12) |
|      | Th 2:00pm - 4:45pm | TYD 1136          |
| 0201 | William Reed       | Seats (Total: 12) |
|      | Th 2:00pm - 4:45pm | Location: TBA     |

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**GVPT729A      Special Topics in Quantitative Political Analysis; Advanced Maximum Likelihood Estimation**

Credits: 3                      Grading Method: Regular,  
   Audit

*An intensive examination of special topics in quantitative methods of political analysis in such areas as survey research methods, exploratory data analysis, advanced data management techniques, or advanced methods of policy analysis.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Michael Hanmer     | Seats (Total: 12) |
|      | W 12:30pm - 3:15pm | LEF 0214          |

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**GVPT742      Modern Political Theory**

Credits: 3                      Grading Method: Regular,  
   Audit

*Recommended: GVPT741. Restriction: Permission of BSOS-Government & Politics department.*

*The influence of the Enlightenment on political thought, beginning with Machiavelli and ending around the time of Mill and Marx, in which the Enlightenment worked itself out in the hopes and fears of these and other authors.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | James Glass       | Seats (Total: 12) |
|      | W 3:30pm - 6:15pm | TYD 1111          |

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## Seminar in American Political Institutions

*This is the core institutions seminar in American politics. The course surveys the primary literature in the field and addresses substantively significant topics related to the study of political institutions in the American context.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | David Karol       | Seats (Total: 12) |
|      | W 6:15pm - 9:00pm | TYD 1111          |

## Seminar in the Comparative Study of Politics

*An examination of the salient approaches to and conceptual frameworks for the comparative study of politics, followed by the construction of models and typologies of political systems.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Mark Lichbach     | Seats (Total: 12) |
|      | W 3:30pm - 6:15pm | TYD 1136          |

## Master's Thesis Research

Credits: 1-6      Grading Method: Regular  
**Contact department for information to register for this course.**

## Selected Topics in Functional Problems in International Relations; Transnational Politics and Global Governance

*An examination of the major substantive issues in contemporary international relations.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Jennifer Hadden    | Seats (Total: 12) |
|      | Tu 3:30pm - 6:15pm | TYD 1111          |

## Readings in Government and Politics

*Guided readings and discussions on selected topics in political science*

**Contact department for information to register for this course.**

**GVPT889E      Selected Topics in Area Problems in International Relations; Chinese Politics and Foreign Policy**

Credits: 3                      Grading Method: Regular,  
   Audit

*Special topics concerning regional problems in the relations of states.*

|      |                                 |                   |
|------|---------------------------------|-------------------|
| 0101 | Scott Kastner, Margaret Pearson | Seats (Total: 12) |
|      | Tu 12:30pm - 3:15pm             | TYD 1136          |

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**GVPT898      Pre-Candidacy Research**

Credits: 1-8                      Grading Method: Regular

*Guided readings and discussions on selected topics in political science.*

**Contact department for information to register for this course.**

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**GVPT899      Doctoral Dissertation Research**

(Perm req)                      Credits: 6                      Grading Method: Regular

**Contact department for information to register for this course.**

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**HACS      ACES-Cybersecurity      Fall 2017**

**HACS100      Foundations in Cybersecurity I**

Credits: 2                      Grading Method: Regular

*Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Living-Learning Program.*

*Interdisciplinary foundational course of the ACES program. Through lectures, lab activities, and discussions, students will learn and practice various aspects of cybersecurity. Weekly technical lectures will introduce students to the operating system UNIX. Students will partner with the Division of Information Technology in a project to engage the University of Maryland community in a cyber-hygiene and cyber-ethics campaign based on the concepts learned in class.*

**Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Living-Learning Program.**

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Jandelyn Plane     | Seats (Total: 25) |
|      | Tu 2:00pm - 2:50pm | PFR 1111          |
|      | Th 2:00pm - 2:50pm | PFR 0103          |

|      |                    |                   |
|------|--------------------|-------------------|
| 0201 | Jandelyn Plane     | Seats (Total: 25) |
|      | Tu 3:00pm - 3:50pm | PFR 1111          |
|      | Th 3:00pm - 3:50pm | PFR 0103          |
| 0301 | Jandelyn Plane     | Seats (Total: 25) |
|      | Tu 4:00pm - 4:50pm | PFR 1111          |
|      | Th 4:00pm - 4:50pm | PFR 0103          |

## HACS202

### Group Project in Cybersecurity

Credits: 3      Grading Method: Regular

*Restriction: Must be a first-year student in the ACES (Advanced Cybersecurity Experience for Students) Minor Program; and cannot have been an ACES Living-Learning Program student (i.e., have taken HACS100 and HACS102).*

*The group project in this course will combine technical, analytical, and communication skills, further engaging students in the practice of cybersecurity. Students will learn about design concepts and data analysis as they engage in a team project designing, deploying, and collecting and analyzing data from a honeypot. The hands-on nature of the course will give students experiential insight about how and why attackers attack and how to engage in protective measures to prevent attacks.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Bertrand Sobesto     | Seats (Total: 20) |
|      | TuTh 5:00pm - 6:15pm | LEF 1220          |

## HACS208E

### Seminar in Cybersecurity; Reverse Engineering

Credits: 3      Grading Method: Regular      General Education: DSSP

*Explores various lenses of cybersecurity in order to promote an interdisciplinary understanding of the field. Although each section may focus on a different topic, each integrates active student engagement, communication, critical communication, critical thinking, and teamwork.*

*Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Living-Learning Program.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | James Worthington | Seats (Total: 20) |
|      | W 5:00pm - 7:45pm | PFR 0103          |

## HACS208N

### Seminar in Cybersecurity; Seminar in Cybersecurity; Digital Forensics

Credits: 3      Grading Method: Regular      General Education: DSSP

*Explores various lenses of cybersecurity in order to promote an interdisciplinary understanding of the field. Although each section may focus on a different topic, each integrates active student engagement, communication, critical communication, critical thinking, and teamwork.*

Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Living-Learning Program.

|   |                    |                   |
|---|--------------------|-------------------|
| 0101  | Marcelle Lee       | Seats (Total: 25) |
|   | Th 4:00pm - 6:45pm | PFR 1111          |
| <i>Must be a student in the ACES Honors Program</i> |                    |                   |

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### **HACS208P Seminar in Cybersecurity; Beyond Technology, the Policy Implications of Cyberspace**

Credits: 3      Grading Method: Regular      General Education: DSHS, SCIS

*Explores various lenses of cybersecurity in order to promote an interdisciplinary understanding of the field. Although each section may focus on a different topic, each integrates active student engagement, communication, critical communication, critical thinking, and teamwork.*

Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Living-Learning Program.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | William Nolte         | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | PFR 1111          |

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### **HACS208Z Seminar in Cybersecurity; Methods for Solving (and Not Solving) Puzzles**

Credits: 3      Grading Method: Regular

*Explores various lenses of cybersecurity in order to promote an interdisciplinary understanding of the field. Although each section may focus on a different topic, each integrates active student engagement, communication, critical communication, critical thinking, and teamwork.*

Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Living-Learning Program.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Mitchell Buchman      | Seats (Total: 20) |
|      | MWF 10:00am - 10:50am | PFR 1111          |

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### **HACS279 Undergraduate Research in Cybersecurity**

(Perm req)      Credits: 1-3      Grading Method: Regular

*The Advanced Cybersecurity Experience for Students (ACES) program encourages its students to engage in research in order to gain greater insight into a specific area within cybersecurity, obtain an appreciation for the subtleties and difficulties associated with the production of knowledge and fundamental new applications, and to prepare for graduate school and the workforce.*

**Contact department for information to register for this course.**

**HACS287 Undergraduate Research in Cybersecurity**

(Perm req) Credits: 3                      Grading Method: Regular                      General Education: DSSP

*Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Living-Learning Program; and permission of UGST-HCOL-ACES Cybersecurity Program.*

*The Advanced Cybersecurity Experience for Students (ACES) program encourages its students to engage in research in order to gain greater insight into a specific area within cybersecurity, obtain an appreciation for the subtleties and difficulties associated with the production of knowledge and fundamental new applications, and to prepare for graduate school and the workforce.*

**Contact department for information to register for this course.**

**HACS297 Cybersecurity Experience Reflection**

(Perm req) Credits: 3                      Grading Method: Regular

*Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Living-Learning Program; and permission of UGST-HCOL-ACES Cybersecurity Program.*

*Cybersecurity experience is defined as an experiential learning activity either with a University of Maryland entity (such as the Division of Information Technology, the ACES competition team or in an ACES outreach program), or with an external organization that will provide valuable, hands-on experience to supplement the knowledge learned in the other ACES coursework.*

Permission of department required.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Christal Dimas    | Seats (Total: 20) |
|      | M 4:00pm - 6:45pm | PFR 1111          |

**HACS408E Advanced Seminar in Cybersecurity; Applied Reverse Engineering**

(Perm req) Credits: 3                      Grading Method: Regular

*Explores various lenses of cybersecurity in order to promote an interdisciplinary understanding of the field. Although each section may focus on a different topic, each integrates active student engagement, communication, critical communication, critical thinking, and teamwork.*

Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Minor Program.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Catherine Redfield | Seats (Total: 20) |
|      | M 6:00pm - 8:45pm  | PFR 0103          |

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### **HACS408L      Advanced Seminar in Cybersecurity; Analytical and Forensic Techniques for Cybersecurity**

Credits: 3                      Grading Method: Regular

*Explores various lenses of cybersecurity in order to promote an interdisciplinary understanding of the field. Although each section may focus on a different topic, each integrates active student engagement, communication, critical communication, critical thinking, and teamwork.*

Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Minor Program.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Brian Osborn      | Seats (Total: 20) |
|      | W 4:00pm - 6:45pm | ESJ 1309          |

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### **HACS479      Undergraduate Research in Cybersecurity**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*The Advanced Cybersecurity Experience for Students (ACES) program encourages its students to engage in research in order to gain greater insight into a specific area within cybersecurity, obtain an appreciation for the subtleties and difficulties associated with the production of knowledge and fundamental new applications, and to prepare for graduate school and the workforce.*

**Contact department for information to register for this course.**

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### **HACS498      Cybersecurity Group Problem Solving**

(Perm req)

Credits: 3                      Grading Method: Regular

*The Advanced Cybersecurity Experience for Students (ACES) program encourages its students to engage in team problem solving activities in order to gain greater insight into a specific area within cybersecurity and to obtain an appreciation for the subtleties and difficulties associated with these activities in order to prepare students for graduate school and the workforce. Students engage in a semester long problem solving or development project under the mentorship of a industry specialist and with the guidance of university faculty. Through the exercise the students will develop teamwork experience and professional communication skills in addition to experience of the project itself. The project might be evaluation, creation, testing or analysis of some area of cybersecurity as needed by the mentor-sponsor. A contract of what will be accomplished is required must be agreed upon by the mentor, the student and the ACES leadership before the project can begin.*

Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Minor Program.

|      |  |                  |
|------|--|------------------|
| 0101 | Jandelyn Plane, Michel Cukier<br>Contact instructor or department for details. | Seats (Total: 5) |
| 0201 | Jandelyn Plane, Michel Cukier<br>Contact instructor or department for details. | Seats (Total: 5) |
| 0301 | Jandelyn Plane, Michel Cukier<br>Contact instructor or department for details. | Seats (Total: 5) |

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## HDCC      Design Cultures and Creativity      Fall 2017

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### HDCC105      Introduction to Digital Cultures and Creativity I

Credits: 2      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in the Digital Cultures and Creativity Honors College Living/Learning program.*

*History, concepts, and technologies of creative digital expression, coupled with an introduction to development for particular platforms and devices.*

|      |  |   |            |
|------|--|---|------------|
| 0101 | Krista Caballero<br>Tu 4:00pm - 5:15pm<br>W 4:00pm - 4:50pm  | Seats (Total: 16)<br>PFR 1105<br>PFR 1105 | Discussion |
| 0102 | Krista Caballero<br>Tu 4:00pm - 5:15pm<br>W 5:00pm - 5:50pm  | Seats (Total: 16)<br>PFR 1105<br>PFR 1105 | Discussion |
| 0103 | Krista Caballero<br>Tu 4:00pm - 5:15pm<br>Th 4:00pm - 4:50pm | Seats (Total: 16)<br>PFR 1105<br>PFR 1105 | Discussion |
| 0104 | Krista Caballero<br>Tu 4:00pm - 5:15pm<br>Th 5:00pm - 5:50pm | Seats (Total: 16)<br>PFR 1105<br>PFR 1105 | Discussion |

### HDCC208J      Seminar in Digital Cultures and Creativity; Media, Culture, and Identity

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      General Education: DSSP

*An advanced seminar in specific aspects of digital culture and creativity, designed to keep students abreast of the latest developments in new media and the online world. Possible topics include mobile gaming, digital storytelling, and electronic music.*

Must be in the Digital Cultures and Creativity Honors College Living/Learning program. Prerequisite: HDCC105 and HDCC106.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Alexis Lothian     | Seats (Total: 11) |
|      | Tu 4:00pm - 6:30pm | PFR 0111          |

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**HDCC208N Seminar in Digital Cultures and Creativity; Research Methods and Practices for Computing Interaction**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSSP

*An advanced seminar in specific aspects of digital culture and creativity, designed to keep students abreast of the latest developments in new media and the online world. Possible topics include mobile gaming, digital storytelling, and electronic music.*

Must be in the Digital Cultures and Creativity Honors College Living/Learning program. Prerequisite: HDCC105 and HDCC106.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Evan Golub           | Seats (Total: 11) |
|      | TuTh 2:00pm - 3:15pm | SKN 1112          |

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**HDCC208P Seminar in Digital Cultures and Creativity; Worldbuilding Workshop: A Maker Space for Making Space**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSSP

*An advanced seminar in specific aspects of digital culture and creativity, designed to keep students abreast of the latest developments in new media and the online world. Possible topics include mobile gaming, digital storytelling, and electronic music.*

Must be in the Digital Cultures and Creativity Honors College Living/Learning program. Prerequisite: HDCC105 and HDCC106.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Michelle Butler       | Seats (Total: 11) |
|      | TuTh 12:30pm - 1:45pm | JMZ 1123          |

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**HDCC208Q Seminar in Digital Cultures and Creativity; Designing the Post Apocalypse**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSSP

*An advanced seminar in specific aspects of digital culture and creativity, designed to keep students abreast of the latest developments in new media and the online world. Possible topics include mobile gaming, digital storytelling, and electronic music.*



Must be in the Digital Cultures and Creativity Honors College Living/Learning program. Prerequisite: HDCC105 and HDCC106.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Jarah Moesch       | Seats (Total: 11) |
|      | MW 4:00pm - 5:15pm | PFR 0111          |

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**HDCC208R Seminar in Digital Cultures and Creativity; Fleshy Futures: Technologies and the Body**

Credits: 3      Grading Method: Regular,      General Education: DSSP  
Pass-Fail, Audit

*An advanced seminar in specific aspects of digital culture and creativity, designed to keep students abreast of the latest developments in new media and the online world. Possible topics include mobile gaming, digital storytelling, and electronic music.*

Must be in the Digital Cultures and Creativity Honors College Living/Learning program. Prerequisite: HDCC105 and HDCC106.

|      |                    |                  |
|------|--------------------|------------------|
| 0101 | Jarah Moesch       | Seats (Total: 6) |
|      | MW 2:30pm - 3:45pm | PFR 0111         |

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**HDCC208T Seminar in Digital Cultures and Creativity; Virtual Reality: Hyper-Reality and Relative Consciousness**

(Perm req)      Credits: 3      Grading Method: Regular,      General Education: DSSP  
Pass-Fail, Audit

*An advanced seminar in specific aspects of digital culture and creativity, designed to keep students abreast of the latest developments in new media and the online world. Possible topics include mobile gaming, digital storytelling, and electronic music.*

Restriction: permission of instructor.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Stephan Fitch     | Seats (Total: 11) |
|      | M 5:30pm - 8:00pm | PFR 0111          |

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**HDCC379 Digital Cultures and Creativity Independent Study**

(Perm req)      Credits: 3      Grading Method: Regular

*Involves research and/or creative scholarship directed by individual DCC faculty outside of the formal classroom structure.*

Prerequisites: HDCC 208 and HDCC 209.

|   |                  |                  |
|---|------------------|------------------|
| 0101  | Krista Caballero | Seats (Total: 5) |
| Contact instructor or department for details. |                  |                  |

## HEBR

## Hebrew

Fall 2017

### HEBR106 Intensive Elementary Hebrew I

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have appropriate Foreign Language Placement Assessment (FLPA) score. Credit only granted for: HEBR111 or HEBR106.*

*An intensive study of fundamentals of Hebrew reading, writing, listening and Israeli culture. Covers present tense in all verb categories, basic syntax and builds vocabulary.*

Class will meet in person Tuesday and Thursday. An asynchronous online component will be on Fridays.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Avital Karpman             | Seats (Total: 28) |
|      | Tu 11:00am - 12:15pm       | JMZ 0208          |
|      | Th 11:00am - 12:15pm       | JMZ 0208          |
|      | Class time/details on ELMs | ONLINE            |

### HEBR112 Elementary Hebrew II

Credits: 6                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: HEBR111; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed HEBR103; and must not have completed HEBR104. Credit only granted for: (HEBR103 and HEBR104) or HEBR112.*

*Continuation of HEBR 111.*

**Contact department for information to register for this course.**

### HEBR206 Review of Oral and Written Hebrew (Part I)

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have completed HEBR107 OR HEBR112; or must have appropriate Foreign Language Placement Assessment (FLPA) score. Restriction: Must not be a fluent/native speaker of Hebrew. Credit only granted for: HEBR206 or HEBR211.*

*Provides a comprehensive review of the fundamentals of Hebrew grammar and oral skills, and introduces new skills in future tense verb conjugation, and communication in reading, writing, listening and speaking.*

Class will meet in person Tuesday and Thursday. An asynchronous online component will be on Fridays.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Avital Karpman             | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm      | JMZ 1117          |
|      | Class time/details on ELMs | ONLINE            |

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## HEBR212 Intermediate Hebrew II

Credits: 6      Grading Method: Regular, Pass-Fail, Audit      CORE: HO

*Prerequisite: HEBR211; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not have completed HEBR203; and must not have completed HEBR204. Credit only granted for: (HEBR203 and HEBR204) or HEBR212.*

*Continuation of HEBR211.*

**Contact department for information to register for this course.**

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## HEBR249W Special Topics in Hebrew Studies; Hebrew on the Web

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSHU

*A broad range of cultural and societal topics pertaining to the communication of Hebrew.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Aharona Rosenthal          | Seats (Total: 25) |
|      | Class time/details on ELMs | ONLINE            |

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## HEBR313 Conversation and Composition I

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSHU

*Prerequisite: HEBR212; or students who have taken courses with comparable content may contact the department.*

*A practical language course recommended for all students continuing with Hebrew. Review of grammar and composition. Selected readings. Oral and written exercises.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Aharona Rosenthal          | Seats (Total: 15) |
|      | Class time/details on ELMs | ONLINE            |

|      |                            |                   |
|------|----------------------------|-------------------|
| 0201 | Aharona Rosenthal          | Seats (Total: 15) |
|      | Class time/details on ELMs | ONLINE            |

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**HEBR369A Special Topics in Study Abroad III; Hebrew Lower Advanced**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**HEBR369C Special Topics in Study Abroad III; Hebrew Upper Advanced**

Credits: 6                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**HEBR369D Special Topics in Study Abroad III; Hebrew Upper Intermediate**

Credits: 6                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**HEBR386 Experiential Learning**

(Perm req)

Credits: 3-6                      Grading Method: Regular,  
Pass-Fail

*Restriction: Must have a Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor; and junior standing or higher.*

Contact the department to obtain section numbers.

**Contact department for information to register for this course.**

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**HEBR499 Independent Study in Hebrew**

(Perm req)

Credits: 1-3                      Grading Method: Regular

*Independent study under faculty supervision.*

Contact the department to obtain section numbers.

**Contact department for information to register for this course.**

**HEIP143****Foundations of Entrepreneurship and Innovation**

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit*Restriction: Must be in the Entrepreneurship and Innovation Program (EIP).*

*Foundational ideas and terms in entrepreneurship and innovation are introduced, with attention to developing students understanding of cultivating a business in diverse, global environments; leading and collaborating in a competitive world; developing an entrepreneurial mind for an entrepreneurial world; and industry dynamics of technological innovation.*

|      |                   |                    |
|------|-------------------|--------------------|
| 0101 | Jay Smith         | Seats (Total: 120) |
|      | M 5:00pm - 5:50pm | ATL 2324           |

**HEIP240****Exploring International Entrepreneurship and Innovation**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP

*Restriction: Must be an EIP student in good-standing.*

*An introduction to the opportunities and challenges of entrepreneurship and innovation from an international perspective.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Jay Smith              | Seats (Total: 36) |
|      | TuTh 12:30pm - 1:45pm  | LPA 0100          |
| 0201 | Jay Smith, John Jabara | Seats (Total: 55) |
|      | TuTh 3:30pm - 4:45pm   | LPA 0100          |
| 0301 | John Jabara, Jay Smith | Seats (Total: 32) |
|      | TuTh 5:00pm - 6:15pm   | LPA 0100          |

**HESI217****Introduction to Student Leadership**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP

*Restriction: Freshman standing; or sophomore standing. Credit only granted for: HESI217 or EDCP217. Formerly: EDCP217.*

*Introduction to leadership theories, concepts, and skills. Completion of personal and leadership self-assessments, values exploration, and small group application.*

Students must pay a \$32 materials fee.

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Anne Spear<br>TuTh 12:30pm - 1:45pm  | Seats (Total: 25)<br>KNI 1103 |
| 0201 | Romina da Costa<br>TuTh 2:00pm - 3:15pm  | Seats (Total: 25)<br>CCC 1115 |
| 0301 | Romina da Costa<br>MW 11:00am - 12:15pm  | Seats (Total: 25)<br>TWS 0236 |
| FC01 | Michael Goodman<br>TuTh 7:30pm - 8:45pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 25)<br>ASY 3211 |

## HESI315

### Student Leadership in Groups and Organizations

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Recommended: HESI217. Credit only granted for: HESI315 or EDCP315. Formerly: EDCP315.*

*Acquiring and integrating leadership knowledge within group and organizational contexts so that students can navigate organizational environments and apply leadership in diverse communities of practice and career contexts.*

Students must pay a \$15 materials fee.

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Kristen Rupert<br>MW 11:00am - 12:15pm   | Seats (Total: 25)<br>ARC 1105 |
| 0301 | Kristen Rupert<br>MW 12:45pm - 2:00pm<br><br><i>Department permission required. This section is restricted to students who have completed EDCP217 or HESI217 or who have been admitted to the Minor in Leadership Studies. Email leadershipstudies@umd.edu for permission to enroll.</i> | Seats (Total: 15)<br>ARC 1125 |
| 0501 | Anne Spear<br>TuTh 2:00pm - 3:15pm   | Seats (Total: 25)<br>TWS 1313 |

**HESI318D****Applied Contextual Leadership; Greek Community Dialogues**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.*

Student must be on a Greek governing council executive board to enroll. They can contact the instructor at msupple@ umd.edu for more information about registering.

|      |                                   |                   |
|------|-----------------------------------|-------------------|
| 0101 | Matthew Supple, Lindsey Templeton | Seats (Total: 30) |
|      | Th 4:00pm - 7:00pm                | WDS 1130          |

**HESI318J****Applied Contextual Leadership; Leadership and Sports**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Terry Zacker          | Seats (Total: 25) |
|      | TuTh 12:30pm - 1:45pm | PLS 1117          |

**HESI318M****Applied Contextual Leadership; Leadership and Education**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.*

This course will explore public education policy in the United States, including historical context, the achievement gap, school funding, standardized testing, and alternatives to the current public education system. It will also explore the meaning of leadership in an educational context and advocacy for change within this context. All students enrolled in the course must commit six hours per week of the semester to work with the America Reads, America Counts, or Partners in Print program and must receive permission to enroll by contacting Alison Barlow at abarlow@umd.edu Visit [www.arac.umd.edu](http://www.arac.umd.edu) for more information about AR\*AC\*PNP programs.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Alison Barlow              | Seats (Total: 20) |
|      | Class time/details on ELMs | ONLINE            |

**HESI318N****Applied Contextual Leadership; Leadership in Collaborative Learning Groups**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.*

Restricted to students selected to participate in the guided study program through the Counseling Center.

|      |   |                   |
|------|---|-------------------|
| 0101 | Yanira Ortiz                                  | Seats (Total: 20) |
|      | Th 3:30pm - 4:45pm                            | ASY 3217          |
|      | Contact instructor or department for details. |                   |
| 0201 | Yanira Ortiz                                  | Seats (Total: 20) |
|      | W 5:00pm - 6:15pm                             | ASY 3219          |
|      | Contact instructor or department for details. |                   |

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### HESI318T

#### **Applied Contextual Leadership; Foundations and Applications of Adventure Leadership Instruction**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.*

Permission of Instructor. Contact Amanda Even (ameven@umd.edu) to arrange an interview. This course is designed to help students develop the necessary leadership skills for leading participants and groups in various adventure recreation activities. The course will focus on developing technical skills, leadership abilities, judgement and decision-making abilities, and overall knowledge of best practices for recreating in the natural environment.

|      |                   |                  |
|------|-------------------|------------------|
| 0101 | Amanda Even       | Seats (Total: 8) |
|      | W 6:00pm - 9:00pm | ERC 0140         |

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### HESI320

#### **Social Action Seminar**

(Perm req)

Credits: 2

Grading Method: Regular,  
Audit

*Prerequisite: HESI217. Restriction: Limited to Minor in Leadership Studies students.*

*The use of leadership theories to inform the practice of addressing social issues in society, on campus, or within the surrounding community. Students will: identify a current and compelling social issue; explore the historical, social, and political aspects of social issues; identify and select applicable leadership theories to confront the social issue; create and develop a plan that integrates leadership theories and the social issue; and implement and evaluate the overall social action project.*



|      |   |                   |
|------|---|-------------------|
| 0101 | Natasha Chapman                               | Seats (Total: 15) |
|      | Class time/details on ELMs                    | ONLINE            |
|      | Contact instructor or department for details. |                   |

### **HESI417      Advanced Leadership Seminar**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: HESI217; or students who have taken courses with comparable content may contact the department. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Credit only granted for: EDCP417 or HESI417.*

*Students will analyze and synthesize the concept of leadership using cultural, ethical, sociological, historical perspectives. Exploration and reflection of personal values, decision making, in-depth analysis on various leadership activities. Theories will be emphasized.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Craig Slack        | Seats (Total: 15) |
|      | F 9:00am - 11:45am | EDU 1315          |

### **HESI418A      Special Topics in Leadership; Asian American Leadership**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*The special topics and leadership course will address a single topic related to leadership through the semester. In-depth study and analysis on the topic will be the basis for the course. Topics include gender and leadership, ethics and leadership, and culture and leadership. Leadership will serve as the foundation in the course.*

Students will be introduced to leadership models and examples specific to Asian American & Pacific Islander communities throughout history and in current times. While the central objective of this course is to develop politically engaged and historically informed leaders and community members for the AAPI campus community, this course is open to anyone who is interested in social justice and learning more about student organizing around identity.

|      |   |                   |
|------|---|-------------------|
| 0101 | Kai Kai Mascarenas                            | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm                        | HBK 0115          |
|      | Contact instructor or department for details. |                   |

### **HESI418D      Special Topics in Leadership; Leadership and Ethnicity**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*The special topics and leadership course will address a single topic related to leadership through the semester. In-depth study and analysis on the topic will be the basis for the course. Topics include gender and leadership, ethics and leadership, and culture and leadership. Leadership will serve as the foundation in the course.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Brandon Dula         | Seats (Total: 25) |
|      | TuTh 2:00pm - 3:15pm | ASY 3219          |

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## **HESI418F      Special Topics in Leadership; Jewish Leadership**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The special topics and leadership course will address a single topic related to leadership through the semester. In-depth study and analysis on the topic will be the basis for the course. Topics include gender and leadership, ethics and leadership, and culture and leadership. Leadership will serve as the foundation in the course.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Ari Israel        | Seats (Total: 35) |
|      | M 2:00pm - 4:45pm | TYD 0102          |

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## **HESI418K      Special Topics in Leadership; Stories of the Multiracial/ethnic/cultural Experience**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The special topics and leadership course will address a single topic related to leadership through the semester. In-depth study and analysis on the topic will be the basis for the course. Topics include gender and leadership, ethics and leadership, and culture and leadership. Leadership will serve as the foundation in the course.*

Students will be offered the opportunity to explore leadership in connection with multiracial/ethnic/cultural identities utilizing an interdisciplinary narrative approach (i.e. storytelling). Topics will include: leadership theories & styles, inter-racial/cultural relationships, transracial & transnational adoption, the multiracial family, media representations of multiracial individuals, the history of racialization in the U.S., racial identity development, processes of "othering" (e.g. colorism, authenticity testing), and the politics of claiming, passing, and accenting.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Naliyah Kaya         | Seats (Total: 20) |
|      | TuTh 3:30pm - 4:45pm | JMZ 0125          |

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# **HESP      Hearing and Speech Sciences      Fall 2017**

**HESP120      Introduction to Linguistics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: SB                      General Education: DSHS,  
DSSP

*Additional information: HESP120 is required for HESP majors. HESP majors may not substitute LING200.*

*An introduction to the scientific study of natural language with focus on the basic concepts of phonology, syntax, semantics and pragmatics, with subsequent attention to the applied aspects of linguistic principles.*

|   |                          |                   |
|---|--------------------------|-------------------|
| 0101  | Thomas Conners           | Seats (Total: 45) |
|   | TuTh 12:30pm - 1:45pm    | TYD 0111          |
| 0201  | Daphney Denerville-Davis | Seats (Total: 45) |
|   | MW 5:00pm - 6:15pm       | TYD 2106          |
| FC01  | Michelle Morrison        | Seats (Total: 35) |
|   | MW 3:00pm - 4:15pm       | LEF 1220          |
| <i>Restricted to students in Freshmen Connection.</i> |                          |                   |

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## **HESP150                      Introduction to Language Science**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Language science is the scientific study of how humans acquire, use, comprehend, and produce language. Most people in all societies learn and use their native language or languages with apparent ease - but don't be fooled: languages are highly complex, and speaking and understanding language requires some amazing feats of mental acrobatics. Thus there are many opportunities for difficulties with language, which is the focus of our field. Understanding difficulties with speech, language, and hearing require first understanding how processing works when language is successful - the psychological (behavioral) and neurobiological (brain) factors that enable people to learn and use language despite its intricacies, the structure and properties of language itself, and how knowledge of language is acquired, represented, and processed in the mind and brain.*

|  |                              |                   |
|--|------------------------------|-------------------|
| PBH1   | Alexandra Boo, Alix Kowalski | Seats (Total: 39) |
|  | Th 6:30pm - 9:00pm           | TWS 0236          |
| <i>Restricted to students in the Hearing and Speech Sciences In The Evening program.</i> |                              |                   |

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## **HESP202                      Introduction to Hearing and Speech Sciences**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*An introduction to communication sciences and disorders; a survey of the bases of normal speech, language and hearing ability, major forms of communicative disorders and their treatment.*

|      |                        |                    |
|------|------------------------|--------------------|
| 0101 | Jose Ortiz             | Seats (Total: 115) |
|      | TuTh 11:00am - 12:15pm | LEF 2205           |

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**HESP300      Introduction to Psycholinguistics**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department. Recommended: HESP120.*

*An introduction to current theories of language and an investigation of their relationship to human communication behavior. Survey of the experimental literature relating to this question.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Jared Novick           | Seats (Total: 53) |
|      | TuTh 11:00am - 12:15pm | BPS 1236          |

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**HESP305      Anatomy and Physiology of the Speech Mechanism**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department.*

*Anatomy, physiology, and neurology of speech mechanism.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Margaritis Fourakis   | Seats (Total: 52) |
|      | TuTh 12:30pm - 1:45pm | WDS 1114          |

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**HESP311      Anatomy, Pathology and Physiology of the Auditory System**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department.*

*Gross anatomy of the ear and pathways for transmission of sound energy through the peripheral and central auditory system. Causes, development and effects of pathological conditions contributing to temporary or chronic hearing impairments.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Kelly King         | Seats (Total: 55) |
|      | Tu 5:00pm - 7:30pm | LEF 2166          |

### **HESP386      Experiential Learning**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail

*Restriction: Junior standing or higher; and permission of BSOS-Hearing & Speech Sciences department.*

*Students will have the opportunity observe and/or participate in therapy activities provided by a speech-language pathologist or audiologist in this experiential learning course.*

**Contact department for information to register for this course.**

### **HESP388      Undergraduate Research Externship**

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Off-campus research internship with departmental affiliates at National Institutes of Health and regional universities. Contact department chairman for openings and descriptions of eligible placements.*

**Contact department for information to register for this course.**

### **HESP389      LEAP Classroom Internship**

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Participation in a language-based, literacy-rich preschool classroom for children with speech-language disorders. Students will learn behavior management techniques, curriculum planning and implementation, facilitation of play among children, data collection and teaching strategies.*

**Contact department for information to register for this course.**

### **HESP400      Speech and Language Development in Children**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in HESP300; or permission of BSOS-Hearing & Speech Sciences department. Recommended: LING200 or HESP120. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.*

*Analysis of the normal processes of speech and language development in children.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Yi Ting Huang         | Seats (Total: 45) |
|      | TuTh 9:30am - 10:45am | LEF 2208          |

|  |                       |                   |
|--|-----------------------|-------------------|
| PBH1   | Tonya Williams-Walker | Seats (Total: 39) |
|  | Tu 6:30pm - 9:00pm    | ASY 3203          |
| <i>Restricted to students in the Hearing and Speech Sciences In The Evening program.</i> |                       |                   |

### HESP403

#### Introduction to Phonetic Science

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in HESP305; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.*

*An introduction to physiological, acoustic and perceptual phonetics; broad and narrow phonetic transcription; current models of speech production and perception.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Kathleen Skinker      | Seats (Total: 45) |
|      | TuTh 9:30am - 10:45am | HBK 0103          |

### HESP406

#### Acquired Neurogenic Communication Disorders in Adults

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in HESP300 and HESP305; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.*

*Survey of the dysarthrias and aphasias in adults from an interdisciplinary point of view.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Yasmeen Shah           | Seats (Total: 50) |
|      | TuTh 11:00am - 12:15pm | LEF 2208          |

### HESP407

#### Bases of Hearing Science

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in HESP311; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.*

*Fundamentals of hearing, including the physics of sound, anatomy and physiology of peripheral and central auditory nervous system, psychophysical procedures used in measurement of auditory sensation and perception, and topics in psychological acoustics.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Jaclyn Schurman    | Seats (Total: 50) |
|      | MW 2:00pm - 3:15pm | TYD 1102          |

## **HESP411 Introduction to Audiology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in HESP311; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.*

*An introduction to the field of audiology. Evaluation and remediation of hearing handicaps.*

|  |                      |                   |
|--|----------------------|-------------------|
| 0101   | Christopher Zalewski | Seats (Total: 50) |
|  | TuTh 5:00pm - 6:15pm | ASY 1213          |
| PBH1   | Danielle Zion        | Seats (Total: 25) |
|  | M 6:30pm - 9:00pm    | TYD 2110          |
| <i>Restricted to students in the Hearing and Speech Sciences In The Evening program.</i> |                      |                   |

## **HESP413 Aural Rehabilitation/Habilitation**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: HESP411. Restriction: Sophomore standing or higher.*

*The fundamental aspects of aural rehabilitation therapy for both adults and children are introduced to students. Class time will consist of lectures, discussions, and hands-on activities.*

|  |                         |                   |
|--|-------------------------|-------------------|
| PBH1   | Mary Ann Kinsella-Meier | Seats (Total: 25) |
|  | Th 6:30pm - 9:00pm      | ASY 3203          |
| <i>Restricted to students in the Hearing and Speech Sciences In The Evening program.</i> |                         |                   |

## **HESP417 Principles and Methods in Speech-Language Pathology and Audiology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: HESP400 and HESP411; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.*

*The principles underlying the treatment of speech, language and hearing disorders in children and adults.*

|      |                                  |                   |
|------|----------------------------------|-------------------|
| 0101 | Lisa Rickard, Kathryn Dow-Burger | Seats (Total: 55) |
|      | TuTh 2:00pm - 3:15pm             | JMZ 0220          |

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**HESP422      Neurological Bases of Human Communication**

Credits: 3                      Grading Method: Regular

*Prerequisite: HESP305; or permission of instructor. Credit only granted for: HESP498 or HESP422.*

*Basic neurology as it pertains to anatomy and physiology substrates of speech and language.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Kristin Slawson       | Seats (Total: 55) |
|      | TuTh 12:30pm - 1:45pm | TWS 1310          |

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**HESP469      Honor Thesis Research**

Credits: 1-3                      Grading Method: Regular

*Student will develop thesis proposal, conduct research, analyze results develop and defend final written document.*

**Contact department for information to register for this course.**

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**HESP469A      Honor Thesis Research**

Credits: 1-3                      Grading Method: Regular

*Student will develop thesis proposal, conduct research, analyze results develop and defend final written document.*

**Contact department for information to register for this course.**

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**HESP469B      Honor Thesis Research**

Credits: 1-3                      Grading Method: Regular

*Student will develop thesis proposal, conduct research, analyze results develop and defend final written document.*

**Contact department for information to register for this course.**

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**HESP498      Seminar**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit



*Selected topics in human communication and its disorders.*

**Contact department for information to register for this course.**

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**HESP499**

**Independent Study; Topics in the Hearing and Speech Sciences**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail

*A directed study of selected topics pertaining to human communication and its disorders.*

**Contact department for information to register for this course.**

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**HESP499H**

**Independent Study**

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*A directed study of selected topics pertaining to human communication and its disorders.*

**Contact department for information to register for this course.**

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**HESP600**

**Instrumentation in Hearing and Speech Sciences**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Restriction: Must be in Clinical Audiology: Au.D. or Ph.D. (Doctoral) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor.*

*Types and principles of operation of electronic equipment used in the hearing and speech sciences.*

Offered Fall only.

0101

Sterling Sheffield

Seats (Total: 10)

W 3:30pm - 6:00pm

SQH 1125

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**HESP606**

**Basic Hearing Measurements**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: HESP411; or students who have taken courses with comparable content may contact the department. Restriction: Must be in Clinical Audiology: Au.D. or Ph.D. (Doctoral) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor.*

*Theoretical principles, methodology, and interpretation of routine audiometric tests, including pure tone, speech, and acoustic immittance measures. Modification of procedures for special populations.*

*Equipment calibration and mass hearing screening programs.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Sandra Gordon-Salant | Seats (Total: 30) |
|      | Th 3:30pm - 6:00pm   | LEF 0135          |

## HESP610 Language Disorders in Adults

Credits: 2      Grading Method: Regular,  
Audit

*Restriction: Must be in Hearing and Speech Sciences: M.A. (Master's) program; or permission of instructor.*

*Etiology, diagnosis and management of language problems of adults associated with aging, brain injury and degenerative conditions.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Yasmeen Shah                                    | Seats (Total: 30) |
|      | <b>Meets August 28, 2017 - October 20, 2017</b> |                   |
|      | Tu 4:00pm - 7:20pm                              | LEF 0135          |

## HESP613 Autism Spectrum Disorders

Credits: 2      Grading Method: Regular,  
Audit

*Restriction: Must be in Hearing and Speech Sciences: M.A. (Master's) program; or permission of instructor. Credit only granted for: HESP639A or HESP613. Formerly: HESP639A.*

*Etiology, diagnosis and management of autism spectrum disorders.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Vivian Sisskin                                    | Seats (Total: 40) |
|      | <b>Meets October 24, 2017 - December 11, 2017</b> |                   |
|      | Tu 4:00pm - 7:20pm                                | SQH 1105          |

## HESP616 Language Disorders in the Pre-school Age

Credits: 2      Grading Method: Regular,  
Audit

*Prerequisite: HESP400; or students who have taken courses with comparable content may contact the department. Restriction: Must be in Hearing and Speech Sciences: M.A. (Master's) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor.*

*Theoretical, empirical and clinical perspectives on language disorders in children from infancy through pre-school age.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Nan Ratner                                      | Seats (Total: 20) |
|      | <b>Meets August 28, 2017 - October 21, 2017</b> |                   |
|      | Tu 9:30am - 12:50pm                             | LEF 0135          |

## **HESP624 Voice Disorders**

(Perm req)

Credits: 2      Grading Method: Regular,  
Audit

*Restriction: Permission of BSOS-Hearing & Speech Sciences department; or must be in Hearing and Speech Sciences: M.A. (Master's) program.*

*Etiological characteristics, assessment and treatment of phonatory disorders in children and adults.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Nancy Solomon                                   | Seats (Total: 20) |
|      | <b>Meets August 28, 2017 - October 20, 2017</b> |                   |
|      | Tu 6:30pm - 9:00pm                              | TYD 2110          |
|      | Class time/details on ELMs                      | ONLINE            |

## **HESP630 Electrophysiological Measurements**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: HESP606. Restriction: Must be in Clinical Audiology: Au.D. or Ph.D. (Doctoral) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor.*

*Principles and techniques of physiological and electrophysiological measures of the audio-vestibular mechanisms.*

Offered fall only.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Samira Anderson   | Seats (Total: 10) |
|      | M 3:30pm - 6:00pm | LEF 0135          |

## **HESP638 Research Practicum**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

*Analysis, synthesis and integration of knowledge related to current research or clinical issues in human communication and its related disorders.*

**Contact department for information to register for this course.**

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**HESP645      Pediatric Audiology**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: HESP606. Restriction: Must be in Clinical Audiology: Au.D. or Ph.D. (Doctoral) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor.*

*Evaluation and treatment of hearing-impaired children.*

Offered Fall only.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Keena Seward      | Seats (Total: 10) |
|      | F 1:00pm - 3:30pm | LEF 0135          |

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**HESP648A      Clinical Practice in Speech; Diagnostic Procedures**

(Perm req)

Credits: 1      Grading Method: Regular

*Supervised training in the application of clinical methods in the diagnosis and treatment of speech disorders.*

|      |                     |                  |     |
|------|---------------------|------------------|-----|
| 1901 | Colleen Worthington | Seats (Total: 5) |     |
|      | Th 9:00am - 12:00pm | LEF 0135         | Lab |
| 2101 | Vivian Sisskin      | Seats (Total: 6) |     |
|      | Th 9:00am - 12:00pm | LEF 0135         | Lab |
| 2701 | Jose Ortiz          | Seats (Total: 5) |     |
|      | Th 9:00am - 12:00pm | LEF 0135         | Lab |
| 2801 | Eusabia Mont        | Seats (Total: 6) |     |
|      | Th 9:00am - 12:00pm | LEF 0135         | Lab |
| 3601 | Kristin Slawson     | Seats (Total: 6) |     |
|      | Th 9:00am - 12:00pm | LEF 0135         | Lab |
| 3701 | Kathryn Dow-Burger  | Seats (Total: 6) |     |
|      | Th 9:00am - 12:00pm | LEF 0135         | Lab |

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**HESP648B      Clinical Practice in Speech; Therapeutic Procedures**

(Perm req)

Credits: 1-2      Grading Method: Regular

*Supervised training in the application of clinical methods in the diagnosis and treatment of speech disorders.*

|      |                     |                  |     |
|------|---------------------|------------------|-----|
| 2101 | Vivian Sisskin      | Seats (Total: 6) |     |
|      | Th 12:00pm - 1:00pm | LEF 0135         | Lab |
| 2701 | Jose Ortiz          | Seats (Total: 7) |     |
|      | Th 12:00pm - 1:00pm | LEF 0135         | Lab |
| 2801 | Eusabia Mont        | Seats (Total: 7) |     |
|      | Th 12:00pm - 1:00pm | LEF 0135         | Lab |
| 3601 | Kristin Slawson     | Seats (Total: 7) |     |
|      | Th 12:00pm - 1:00pm | LEF 0135         | Lab |
| 3701 | Kathryn Dow-Burger  | Seats (Total: 7) |     |
|      | Th 12:00pm - 1:00pm | LEF 0135         | Lab |

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**HESP649A Clinical Practice in Audiology; Diagnostic Audiology**

(Perm req)

Credits: 1-2      Grading Method: Regular

*Supervised training in the application of clinical methods in the diagnosis and treatment of hearing disorders.*

**Contact department for information to register for this course.**

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**HESP649B Clinical Practice in Audiology; Aural Rehabilitation**

(Perm req)

Credits: 1-2      Grading Method: Regular

*Supervised training in the application of clinical methods in the diagnosis and treatment of hearing disorders.*

**Contact department for information to register for this course.**

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**HESP700 Hearing Aids**

Credits: 3      Grading Method: Regular,  
Audit

*Principles, methods and procedures for selection, fitting, calibration and management of amplification systems for hearing-impaired children and adults.*

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 0101 | LaGuinn Sherlock   | Seats (Total: 10) |  |
|      | Tu 5:00pm - 7:30pm | KEY 0121          |  |

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**HESP702 Diagnostic Procedures in Speech-Language Pathology**

(Perm req)

Credits: 2

Grading Method: Regular,  
Audit

*Restriction: Must be in Hearing and Speech Sciences: M.A. (Master's) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor.*

*Diagnostic tools and methods in the analysis of speech-language disorders in children and adults.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Colleen Worthington                               | Seats (Total: 30) |
|      | <b>Meets October 24, 2017 - December 11, 2017</b> |                   |
|      | Tu 9:30am - 12:50pm                               | LEF 0135          |

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**HESP708 Independent Study**

(Perm req)

Credits: 1-6

Grading Method: Regular,  
Audit

*Individual research projects under guidance of a faculty member.*

**Contact department for information to register for this course.**

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**HESP710 Industrial and Environmental Noise Problems**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Restriction: Permission of instructor.*

*Evaluation and control of noise hazards. Effects of noise on man. Medico-legal aspects of noise-induced hearing impairment.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Samira Anderson    | Seats (Total: 20) |
|      | Tu 5:00pm - 7:30pm | LEF 1222          |

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**HESP712 Cochlear Implants and Other Implantable Technologies**

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: Must have completed or be concurrently enrolled in HESP700, HESP701, and HESP722; or permission of instructor.*

*Comprehensive presentation of cochlear implant design and processing, medical/surgical aspects, evaluation, programming, outcomes in children and adults, and post stimulation care. The role of the audiologist as a member of the cochlear implant team will be emphasized. Current and emerging trends in other implantable technologies also will be covered.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Nicole Nguyen     | Seats (Total: 10) |
|      | W 5:30pm - 8:00pm | LEF 0135          |

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## **HESP722      Psychoacoustics**

Credits: 3                      Grading Method: Regular,  
Audit

*Auditory perception and auditory processing in normal and impaired hearing.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Matthew Goupell    | Seats (Total: 15) |
|      | Tu 3:30pm - 6:00pm | JMZ 1224          |

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## **HESP728      Advanced Clinical Practice in Speech; Advanced Graduate Laboratory Practicum in Speech-Language Pathology**

(Perm req)                      Credits: 1-8                      Grading Method: Regular

*Clinical internship in selected off-campus facilities.*

**Contact department for information to register for this course.**

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## **HESP729      Advanced Clinical Practice in Audiology; Advanced Graduate Laboratory Practicum in Audiology**

(Perm req)                      Credits: 1-8                      Grading Method: Regular

*Clinical internship in selected off-campus facilities.*

|      |   |                   |
|------|---|-------------------|
| 1301 | Nicole Nguyen                                 | Seats (Total: 10) |
|      | TBA   | LEF 0135          |
|      | Contact instructor or department for details. |                   |
| 3201 | Nicole Nguyen                                 | Seats (Total: 20) |
|      | Contact instructor or department for details. |                   |

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## **HESP788      Graduate Research Externship**

Credits: 1-3                      Grading Method: Regular,  
Audit

*Off-campus research internship with departmental affiliates at National Institutes of Health and other regional universities. Contact department chairman for available placements, requirements and openings.*

**Contact department for information to register for this course.**

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**HESP799      Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**HESP818G      Seminar in Language Processing**

Credits: 3      Grading Method: Regular

*Information processing models of language, relationships among language memory and cognition.*

|      |                           |                   |
|------|---------------------------|-------------------|
| 3901 | Jan Edwards, Jeffrey Lidz | Seats (Total: 20) |
|      | M 2:00pm - 5:00pm         | JMP 2124          |

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**HESP829      Clinical Internship Residency**

Credits: 1-9      Grading Method: Regular,  
Audit

*Off-Campus, full-time (30-40 hours/week) clinical externship in Audiology at regional and national institutions.*

|      |   |                   |
|------|---|-------------------|
| 1301 | Nicole Nguyen                                 | Seats (Total: 30) |
|      | Contact instructor or department for details. |                   |
| 3201 | Nicole Nguyen                                 | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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**HESP849      Capstone Research Project I**

Credits: 2      Grading Method: Regular

*First of two-course sequence leading to the final research requirement for the Doctor of Audiology (Au.D.) degree; involves individual study and/or supervised lab work with mentor, preparation of research proposal (including IRB protocol if required), and attendance at Capstone Research Project Workshop.*

**Contact department for information to register for this course.**

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**HESP859      Capstone Research Project II**

Credits: 1-2      Grading Method: Regular



*Second of two-course sequence leading to the final research requirement for the Doctor of Audiology (Au.D.) degree; involves final data collection, analysis and presentation of results or completion of scholarly paper under the direction of the faculty mentor.*

**Contact department for information to register for this course.**

**HESP889**

**Doctoral Candidacy Research**

Credits: 1-3      Grading Method: Regular

*Doctoral candidacy paper research*

**Contact department for information to register for this course.**

**HESP898**

**Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

**HESP899**

**Doctoral Dissertation Research**

(Perm req)

Credits: 6      Grading Method: Regular

**Contact department for information to register for this course.**

**HHUM**

**Honors Humanities**

**Fall 2017**

**HHUM105**

**Honors Humanities: Introduction to the Arts and Humanities**

Credits: 3      Grading Method: Regular      CORE: HL      General Education: DSHU

*Restriction: Must be an entering freshmen in the Honors Humanities Program. Credit only granted for: ARHU105 or HHUM105. Formerly: ARHU105.*

*Introduction to the university, the different fields of the arts and humanities, and the history of how the university and the humanities have evolved across the world from ancient times to the present. Primary emphasis on reading and discussion of literary artifacts to assess the meaning and social status of the arts and humanities in the past and their personal and social value for the future.*

|      |                     |                   |            |
|------|---------------------|-------------------|------------|
| 0101 | Gregory Staley      | Seats (Total: 16) |            |
|      | Tu 9:30am - 10:45am | ESJ 2309          |            |
|      | Th 9:30am - 10:45am | ESJ 2309          | Discussion |
| 0102 | Gregory Staley      | Seats (Total: 16) |            |
|      | Tu 9:30am - 10:45am | ESJ 2309          |            |
|      | Th 3:30pm - 4:45pm  | ANA 0103          | Discussion |

|      |                     |                   |            |
|------|---------------------|-------------------|------------|
| 0103 | Gregory Staley      | Seats (Total: 16) |            |
|      | Tu 9:30am - 10:45am | ESJ 2309          |            |
|      | Th 9:30am - 10:45am | EDU 1107          | Discussion |
| 0104 | Gregory Staley      | Seats (Total: 16) |            |
|      | Tu 9:30am - 10:45am | ESJ 2309          |            |
|      | Th 2:00pm - 3:15pm  | EDU 2102          | Discussion |

## HHUM205

### Second Year Seminar in Honors Humanities

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO      General Education: DVUP

*Credit only granted for: ARHU205 or HHUM205. Formerly: ARHU205.*

*Seminar on basic issues and methodologies in the humanities and arts.*

|      |                         |                   |  |
|------|-------------------------|-------------------|--|
| 0101 | Jason Kuo               | Seats (Total: 15) |  |
|      | MW 3:00pm - 4:15pm      | HBK 0302H         |  |
| 0102 | Aneta Georgievska-Shine | Seats (Total: 15) |  |
|      | TuTh 2:00pm - 3:15pm    | ANA 0120          |  |
| 0103 | Michelle Butler         | Seats (Total: 15) |  |
|      | TuTh 9:30am - 10:45am   | JMZ 3120          |  |

## HHUM328

### Internship in Honors Humanities

Credits: 1-3      Grading Method: Regular

*Supervised service-learning in Honors Humanities.*

|      |   |                  |  |
|------|---|------------------|--|
| 0101 | Gregory Staley                                | Seats (Total: 8) |  |
|      | Contact instructor or department for details. |                  |  |

## HHUM329

### Undergraduate Teaching Assistantship

Credits: 1-3      Grading Method: Regular

*Supervised pedagogical service-learning in the Honors Humanities curriculum.*

|      |   |                  |  |
|------|---|------------------|--|
| 0101 | Gregory Staley                                | Seats (Total: 8) |  |
|      | Contact instructor or department for details. |                  |  |

**HISP600****History, Theory, and Practice of Historic Preservation**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit*Prerequisite: Permission of ARCH-Historic Preservation Program.**An introduction to history, theory and practice of historic preservation covered through readings, discussions, presentations, class projects, and field trips.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Dennis Pogue       | Seats (Total: 25) |
|      | Th 7:00pm - 9:40pm | ARC 1117          |

**HISP611****Historical Research Methods**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit*Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP610 or HISP611.**Research methods used by professional historic preservationists to identify and record historic structures and sites. Emphasizes inter/multidisciplinary nature of contemporary preservation practice using archival and ethnographic evidence as a basis for establishing significance.*

Department permission required.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Dennis Pogue      | Seats (Total: 15) |
|      | W 7:00pm - 9:40pm | ARC 1117          |

**HISP619L****Special Topics in Historic Preservation; Vernacular Architecture Lab**

(Perm req)

Credits: 1

Grading Method: Regular,  
Audit*Technical aspects of preservation taught by practitioners whose expertise are of special benefit to certificate students.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Donald Linebaugh                              | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

**HISP629****Independent Studies in Historic Preservation**

Credits: 1-3

Grading Method: Regular,  
Audit

*Individual Instruction course.*

|      |   |                  |
|------|---|------------------|
| 0101 | Donald Linebaugh                              | Seats (Total: 1) |
|      | Contact instructor or department for details. |                  |

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**HISP650      Historic Preservation Studio Workshop**

(Perm req)

Credits: 6      Grading Method: Regular,  
Audit

*Prerequisite: HISP600; and permission of ARCH-Historic Preservation Program. Restriction: Must be in a major in ARCH-Historic Preservation Program.*

*Students carry out a group preservation project in a local community, from inception and problem formulation through completion. Guided carefully by a faculty team, students will conduct research, interact with communities, perform analyses, and propose solutions for an issue or problem of direct relevance to a local community and client group.*

Department permission required.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Jeremy Wells         | Seats (Total: 15) |
|      | TuTh 4:00pm - 6:40pm | ARC 1117          |

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**HISP655      American Vernacular Architecture**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP655 or HISP619V. Formerly: HISP619V.*

*History, theory, and practice of American vernacular architecture including a review of common building technologies, structure, and style, and focusing on methods and approaches for recording, documenting and analyzing these historic resources.*

Prerequisite: permission of department. Class will meet some sessions at Bostwick House.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Donald Linebaugh   | Seats (Total: 15) |
|      | Tu 7:00pm - 9:40pm | ARC 1117          |

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**HISP660      Internship in Historic Preservation**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Permission of ARCH-Historic Preservation Program. Formerly: HISP619.*

*Students will secure a summer internship with an organization engaged in historic preservation work (this can be a public agency, nonprofit, or private firm). The students will formulate a plan of work and a series of pedagogical goals to satisfy both the practical needs of the project and the academic requirements for the course.*

|   |                  |                   |
|---|------------------|-------------------|
| 0101  | Donald Linebaugh | Seats (Total: 10) |
| Contact instructor or department for details. |                  |                   |

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**HISP680****Preservation Economics**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP619N or HISP680. Formerly: HISP619N.*

*Students are introduced to a range of economic theories, methods, and issues that must be considered in the practice of historic preservation. Case studies related to community economic development, adaptive reuse, tax credit programs, project finance, and land use will be presented.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Brent Leggs       | Seats (Total: 15) |
|      | M 7:00pm - 9:40pm | ARC 1117          |

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**HISP701****Certificate Portfolio Project**

(Perm req)

Credits: 1

Grading Method: Regular,  
Audit

*Prerequisite: Permission of ARCH-Historic Preservation Program.*

*Students will gather samples of their work and craft a synthetic statement on their experiences in their HISP certificate courses (for example, picking up on themes such as community involvement, diversity of practice, affordable housing, or sustainability), and the ways in which they have integrated historic preservation into their thinking and practice in their home discipline.*

Department permission required.

|   |                  |                   |
|---|------------------|-------------------|
| 0101  | Donald Linebaugh | Seats (Total: 10) |
| Contact instructor or department for details. |                  |                   |

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**HISP710****Final Project in Historic Preservation I**

(Perm req)

Credits: 1

Grading Method: Regular,  
Audit

*Credit only granted for: HISP700 or HISP710. Formerly: HISP700.*

*An independent, applied research project investigating the preservation of a particular site or a specialized issue in historic preservation. This is part one of a two-semester sequence and involves developing the project proposal and bibliography.*

Department permission required.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Dennis Pogue      | Seats (Total: 10) |
|      | W 4:30pm - 6:00pm | ARC 1117          |

## **HISP711 Final Project in Historic Preservation II**

(Perm req)

Credits: 2      Grading Method: Regular,  
Audit

*Credit only granted for: HISP700 or HISP711. Formerly: HISP700.*

*An independent, applied research project investigating the preservation of a particular site or a specialized issue in historic preservation. This is part two of a two semester sequence and involves project research and writing.*

Department permission required.

|      |   |                   |
|------|---|-------------------|
| 0101 | Dennis Pogue                                  | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0102 | Jeremy Wells                                  | Seats (Total: 5)  |
|      | Contact instructor or department for details. |                   |

# **HIST History Fall 2017**

## **HIST110 The Ancient World**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: HO      General Education: DSHU

*Interpretation of select literature and art of the ancient Mediterranean world with a view to illuminating the antecedents of modern culture; religion and myth in the ancient Near East; Greek philosophical, scientific, and literary invention; and the Roman tradition in politics and administration.*

|      |                      |                          |
|------|----------------------|--------------------------|
| 0101 | Arthur Eckstein      | Seats (Total: 20)        |
|      | MW 11:00am - 11:50am | KEY 0106                 |
|      | M 10:00am - 10:50am  | KEY 0117      Discussion |
| 0102 | Arthur Eckstein      | Seats (Total: 20)        |
|      | MW 11:00am - 11:50am | KEY 0106                 |
|      | Tu 9:30am - 10:20am  | JMZ 0103      Discussion |

|      |  |   |            |
|------|--|---|------------|
| 0103 | Arthur Eckstein<br>MW 11:00am - 11:50am<br>W 12:00pm - 12:50pm | Seats (Total: 20)<br>KEY 0106<br>KEY 0121 | Discussion |
| 0104 | Arthur Eckstein<br>MW 11:00am - 11:50am<br>Tu 12:30pm - 1:20pm | Seats (Total: 20)<br>KEY 0106<br>JMZ 1224 | Discussion |
| 0105 | Arthur Eckstein<br>MW 11:00am - 11:50am<br>M 9:00am - 9:50am   | Seats (Total: 20)<br>KEY 0106<br>KEY 0121 | Discussion |
| 0106 | Arthur Eckstein<br>MW 11:00am - 11:50am<br>M 12:00pm - 12:50pm | Seats (Total: 20)<br>KEY 0106<br>WDS 1127 | Discussion |
| 0107 | Arthur Eckstein<br>MW 11:00am - 11:50am<br>W 12:00pm - 12:50pm | Seats (Total: 20)<br>KEY 0106<br>KEY 0124 | Discussion |
| 0108 | Arthur Eckstein<br>MW 11:00am - 11:50am<br>W 9:00am - 9:50am   | Seats (Total: 20)<br>KEY 0106<br>KEY 0117 | Discussion |

## HIST111

### The Medieval World

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH      General Education: DSHS, DVUP

*The development of Europe in the Middle Ages; the role of religious values in shaping new social, economic, and political institutions; medieval literature, art and architecture.*

|      |   |   |            |
|------|---|---|------------|
| 0101 | Colleen Ho<br>MW 12:00pm - 12:50pm<br>M 9:00am - 9:50am   | Seats (Total: 20)<br>ASY 2203<br>TLF 1101 | Discussion |
| 0102 | Colleen Ho<br>MW 12:00pm - 12:50pm<br>M 11:00am - 11:50am | Seats (Total: 20)<br>ASY 2203<br>TLF 2103 | Discussion |

|      |   |   |            |
|------|---|---|------------|
| 0103 | Colleen Ho<br>MW 12:00pm - 12:50pm<br>M 1:00pm - 1:50pm   | Seats (Total: 20)<br>ASY 2203<br>WDS 1131 | Discussion |
| 0104 | Colleen Ho<br>MW 12:00pm - 12:50pm<br>W 11:00am - 11:50am | Seats (Total: 20)<br>ASY 2203<br>KEY 0117 | Discussion |
| 0105 | Colleen Ho<br>MW 12:00pm - 12:50pm<br>W 10:00am - 10:50am | Seats (Total: 20)<br>ASY 2203<br>WDS 1127 | Discussion |
| 0106 | Colleen Ho<br>MW 12:00pm - 12:50pm<br>F 9:00am - 9:50am   | Seats (Total: 20)<br>ASY 2203<br>KEY 0125 | Discussion |
| 0107 | Colleen Ho<br>MW 12:00pm - 12:50pm<br>F 1:00pm - 1:50pm   | Seats (Total: 20)<br>ASY 2203<br>TLF 1101 | Discussion |
| 0108 | Colleen Ho<br>MW 12:00pm - 12:50pm<br>F 2:00pm - 2:50pm   | Seats (Total: 20)<br>ASY 2203<br>TLF 1101 | Discussion |

### HIST113

#### The Making of Modern Europe

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH      General Education: DSHS

*Evolution of modern nation states since late medieval times. Industrial-economic structure and demography. Emergence of modern secular society.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Piotr H Kosicki<br>TuTh 11:00am - 12:15pm | Seats (Total: 40)<br>KEY 0116 |
|------|---|-------------------------------|

### HIST120

#### Islamic Civilization

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH, D      General Education: DSHU

*Also offered as: RELS120. Credit only granted for: HIST120 or RELS120.*



*Introduction to society and culture in the Middle East since the advent of Islam: as a personal and communal faith; as artistic and literary highlights of intellectual and cultural life; and as the interplay between politics and religion under the major Islamic regimes.*

|      |  |   |            |
|------|--|---|------------|
| 0101 | Ahmet Karamustafa<br>MW 12:00pm - 12:50pm<br>W 10:00am - 10:50am | Seats (Total: 20)<br>SYM 0200<br>TLF 1103 | Discussion |
| 0102 | Ahmet Karamustafa<br>MW 12:00pm - 12:50pm<br>W 11:00am - 11:50am | Seats (Total: 20)<br>SYM 0200<br>TLF 2103 | Discussion |
| 0103 | Ahmet Karamustafa<br>MW 12:00pm - 12:50pm<br>F 2:00pm - 2:50pm   | Seats (Total: 20)<br>SYM 0200<br>KEY 0123 | Discussion |
| 0104 | Ahmet Karamustafa<br>MW 12:00pm - 12:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 20)<br>SYM 0200<br>TLF 1101 | Discussion |

## HIST133

### "God Wills It!" The Crusades in Medieval and Modern Perspectives

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH      General Education: DSHS, SCIS

*Credit only granted for: HIST133, HIST289D, or RELS289D. Formerly: HIST289D.*

*An examination of the identities and convictions both of the Western Europeans who participated in the Crusades and of the Easterners (Muslim, Christian, and Jewish) whom they encountered in the Holy Land. Focuses on the era of the first four great Crusades, from about 1095 to 1215. Consideration of the cultural impact of these movements on both Western Europe and the Middle East.*

Also offered as RELS289D.

|      |  |   |            |
|------|--|---|------------|
| 0101 | Janna Bianchini<br>MW 1:00pm - 1:50pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>KEY 0106<br>TLF 1101 | Discussion |
| 0102 | Janna Bianchini<br>MW 1:00pm - 1:50pm<br>F 11:00am - 11:50am | Seats (Total: 20)<br>KEY 0106<br>TLF 1101 | Discussion |

|      |                    |                   |            |
|------|--------------------|-------------------|------------|
| 0103 | Janna Bianchini    | Seats (Total: 20) |            |
|      | MW 1:00pm - 1:50pm | KEY 0106          |            |
|      | W 2:00pm - 2:50pm  | JMZ 0118          | Discussion |
| 0104 | Janna Bianchini    | Seats (Total: 20) |            |
|      | MW 1:00pm - 1:50pm | KEY 0106          |            |
|      | F 1:00pm - 1:50pm  | TLF 1103          | Discussion |

## HIST134

### Spies, Assassins, Martyrs, and Witches: Famous Trials in American History

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH      General Education: DSHU, SCIS

*Examination of some of the most famous trials in American history and their enduring hold on the imagination.*

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0101 | Michael Ross          | Seats (Total: 20) |            |
|      | TuTh 9:30am - 10:20am | KEY 0106          |            |
|      | W 10:00am - 10:50am   | LEF 1222          | Discussion |
| 0102 | Michael Ross          | Seats (Total: 20) |            |
|      | TuTh 9:30am - 10:20am | KEY 0106          |            |
|      | W 1:00pm - 1:50pm     | WDS 1130          | Discussion |
| 0103 | Michael Ross          | Seats (Total: 20) |            |
|      | TuTh 9:30am - 10:20am | KEY 0106          |            |
|      | W 2:00pm - 2:50pm     | WDS 1131          | Discussion |
| 0104 | Michael Ross          | Seats (Total: 20) |            |
|      | TuTh 9:30am - 10:20am | KEY 0106          |            |
|      | W 10:00am - 10:50am   | KEY 0117          | Discussion |
| 0105 | Michael Ross          | Seats (Total: 20) |            |
|      | TuTh 9:30am - 10:20am | KEY 0106          |            |
|      | W 12:00pm - 12:50pm   | JMZ 1120          | Discussion |
| 0106 | Michael Ross          | Seats (Total: 20) |            |
|      | TuTh 9:30am - 10:20am | KEY 0106          |            |
|      | W 1:00pm - 1:50pm     | KEY 0117          | Discussion |

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0107 | Michael Ross          | Seats (Total: 20) |            |
|      | TuTh 9:30am - 10:20am | KEY 0106          |            |
|      | F 10:00am - 10:50am   | TLF 1103          | Discussion |
| 0108 | Michael Ross          | Seats (Total: 20) |            |
|      | TuTh 9:30am - 10:20am | KEY 0106          |            |
|      | F 12:00pm - 12:50pm   | TLF 2103          | Discussion |

## HIST134S

### Spies, Assassins, Martyrs, and Witches: Famous Trials in American History

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH      General Education: DSHU, SCIS

*Examination of some of the most famous trials in American history and their enduring hold on the imagination.*

Restricted to students in College Park Scholars-Justice and Legal Thought program.

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0201 | Michael Ross          | Seats (Total: 22) |            |
|      | TuTh 9:30am - 10:20am | KEY 0106          |            |
|      | F 9:00am - 9:50am     | CBD 1140          | Discussion |
| 0202 | Michael Ross          | Seats (Total: 22) |            |
|      | TuTh 9:30am - 10:20am | KEY 0106          |            |
|      | F 10:00am - 10:50am   | CBD 1140          | Discussion |
| 0203 | Michael Ross          | Seats (Total: 22) |            |
|      | TuTh 9:30am - 10:20am | KEY 0106          |            |
|      | F 11:00am - 11:50am   | CBD 1140          | Discussion |

## HIST135

### Civil Discourse or Urban Riot: Why Cities Don't (Often) Explode

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH, D      General Education: DSHS, DVUP, SCIS

*An examination of the mechanisms that promote peaceful co-existence in urban societies and a discussion of how and why city streets sometimes become violent.*

Also offered as JWST289E. Credit granted for HIST135 or JWST289E. An examination of the mechanisms that promote peaceful co-existence in urban societies and a discussion of how and why city streets sometimes become violent.

|      |  |   |            |
|------|--|---|------------|
| 0101 | Bernard Cooperman<br>MW 11:00am - 11:50am<br>W 9:00am - 9:50am   | Seats (Total: 20)<br>ESJ 2204<br>KEY 0121 | Discussion |
| 0102 | Bernard Cooperman<br>MW 11:00am - 11:50am<br>M 1:00pm - 1:50pm   | Seats (Total: 20)<br>ESJ 2204<br>KEY 0117 | Discussion |
| 0103 | Bernard Cooperman<br>MW 11:00am - 11:50am<br>M 2:00pm - 2:50pm   | Seats (Total: 20)<br>ESJ 2204<br>ASY 3217 | Discussion |
| 0104 | Bernard Cooperman<br>MW 11:00am - 11:50am<br>W 10:00am - 10:50am | Seats (Total: 20)<br>ESJ 2204<br>KEY 0121 | Discussion |

## HIST136

### Moneyland: Business in American Culture

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: SH

General Education: DSHS,  
SCIS

*Examines the interplay between America's stature as a business society and the public distrust of commerce, big business, and money.*

|      |  |   |            |
|------|--|---|------------|
| 0101 | David Sicilia<br>MW 1:00pm - 1:50pm<br>M 2:00pm - 2:50pm   | Seats (Total: 20)<br>ESJ 1224<br>TWS 1321 | Discussion |
| 0102 | David Sicilia<br>MW 1:00pm - 1:50pm<br>W 2:00pm - 2:50pm   | Seats (Total: 20)<br>ESJ 1224<br>TWS 1321 | Discussion |
| 0103 | David Sicilia<br>MW 1:00pm - 1:50pm<br>W 12:00pm - 12:50pm | Seats (Total: 20)<br>ESJ 1224<br>LEF 1222 | Discussion |
| 0104 | David Sicilia<br>MW 1:00pm - 1:50pm<br>M 12:00pm - 12:50pm | Seats (Total: 20)<br>ESJ 1224<br>KEY 0116 | Discussion |

|  |                    |                   |            |
|--|--------------------|-------------------|------------|
| 0107   | David Sicilia      | Seats (Total: 22) |            |
|  | MW 1:00pm - 1:50pm | ESJ 1224          |            |
|  | W 2:00pm - 2:50pm  | ASY 3215          | Discussion |
| <i>Restricted to students in the Carillon living-learning community.</i> |                    |                   |            |

### HIST143 **Power, Ritual, and Society in Western History**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH      General Education: DSHS, SCIS

*Credit only granted for: HIST289F or HIST143. Formerly: HIST289F.*

*Introduces students to influential works of political thinking, in the Western tradition from classical Antiquity to the present, that treat the relationship between power, ritual, and society. Investigates ritual and its relationships to power, both in reality and the imagination of political thinkers.*

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0101 | Alejandro Caneque     | Seats (Total: 20) |            |
|      | TuTh 12:30pm - 1:20pm | SYM 0200          |            |
|      | Tu 2:00pm - 2:50pm    | KEY 0117          | Discussion |
| 0102 | Alejandro Caneque     | Seats (Total: 20) |            |
|      | TuTh 12:30pm - 1:20pm | SYM 0200          |            |
|      | Th 2:00pm - 2:50pm    | KEY 0121          | Discussion |
| 0103 | Alejandro Caneque     | Seats (Total: 20) |            |
|      | TuTh 12:30pm - 1:20pm | SYM 0200          |            |
|      | Th 11:00am - 11:50am  | KEY 0117          | Discussion |
| 0104 | Alejandro Caneque     | Seats (Total: 20) |            |
|      | TuTh 12:30pm - 1:20pm | SYM 0200          |            |
|      | W 12:00pm - 12:50pm   | KEY 0117          | Discussion |

### HIST200 **Interpreting American History: Beginnings to 1877**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH      General Education: DSHS, DSHU

*Credit only granted for: HIST156 or HIST200. Formerly: HIST156.*

*The United States from colonial times to the end of the Civil War. Establishment and development of American institutions.*

|      |  |   |            |
|------|--|---|------------|
| 0101 | Robert Chiles<br>TuTh 12:30pm - 1:20pm<br>Th 9:30am - 10:20am                                      | Seats (Total: 20)<br>KEY 0106<br>KEY 0121 | Discussion |
| 0102 | Robert Chiles<br>TuTh 12:30pm - 1:20pm<br>F 11:00am - 11:50am                                      | Seats (Total: 20)<br>KEY 0106<br>KEY 0117 | Discussion |
| 0103 | Robert Chiles<br>TuTh 12:30pm - 1:20pm<br>F 12:00pm - 12:50pm                                      | Seats (Total: 20)<br>KEY 0106<br>KEY 0117 | Discussion |
| 0104 | Robert Chiles<br>TuTh 12:30pm - 1:20pm<br>Th 11:00am - 11:50am                                     | Seats (Total: 20)<br>KEY 0106<br>KEY 0121 | Discussion |
| 0105 | Robert Chiles<br>TuTh 12:30pm - 1:20pm<br>Th 11:00am - 11:50am                                     | Seats (Total: 20)<br>KEY 0106<br>JMZ 1215 | Discussion |
| 0106 | Robert Chiles<br>TuTh 12:30pm - 1:20pm<br>F 2:00pm - 2:50pm  | Seats (Total: 20)<br>KEY 0106<br>KEY 0121 | Discussion |
| 0107 | Robert Chiles<br>TuTh 12:30pm - 1:20pm<br>F 1:00pm - 1:50pm  | Seats (Total: 20)<br>KEY 0106<br>TLF 2103 | Discussion |
| 0108 | Robert Chiles<br>TuTh 12:30pm - 1:20pm<br>Th 2:00pm - 2:50pm                                       | Seats (Total: 20)<br>KEY 0106<br>KEY 0117 | Discussion |
| FC01 | Rachel Walker<br>TuTh 6:00pm - 7:15pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 24)<br>KEY 0125             |            |

## HIST201

### Interpreting American History: From 1865 to the Present

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH      General Education: DSHS, DSHU, DVUP

*Credit only granted for: HIST157 or HIST201. Formerly: HIST157.*

*The United States from the end of the Civil War to the present. Economic, social, intellectual, and political developments. Rise of industry and emergence of the United States as a world power.*

|      |   |   |            |
|------|---|---|------------|
| 0101 | Howard Smead<br>MW 12:00pm - 12:50pm<br>M 11:00am - 11:50am | Seats (Total: 20)<br>KEY 0106<br>TLF 1101 | Discussion |
| 0102 | Howard Smead<br>MW 12:00pm - 12:50pm<br>M 9:00am - 9:50am   | Seats (Total: 20)<br>KEY 0106<br>KEY 0116 | Discussion |
| 0103 | Howard Smead<br>MW 12:00pm - 12:50pm<br>M 1:00pm - 1:50pm   | Seats (Total: 20)<br>KEY 0106<br>KEY 0121 | Discussion |
| 0104 | Howard Smead<br>MW 12:00pm - 12:50pm<br>M 2:00pm - 2:50pm   | Seats (Total: 20)<br>KEY 0106<br>WDS 0104 | Discussion |
| 0105 | Howard Smead<br>MW 12:00pm - 12:50pm<br>W 9:00am - 9:50am   | Seats (Total: 20)<br>KEY 0106<br>ASY 3217 | Discussion |
| 0106 | Howard Smead<br>MW 12:00pm - 12:50pm<br>W 10:00am - 10:50am | Seats (Total: 20)<br>KEY 0106<br>LEF 1220 | Discussion |
| 0107 | Howard Smead<br>MW 12:00pm - 12:50pm<br>W 1:00pm - 1:50pm   | Seats (Total: 20)<br>KEY 0106<br>KEY 0116 | Discussion |
| 0108 | Howard Smead<br>MW 12:00pm - 12:50pm<br>W 2:00pm - 2:50pm   | Seats (Total: 20)<br>KEY 0106<br>WDS 0104 | Discussion |
| 0109 | Howard Smead<br>MW 12:00pm - 12:50pm<br>F 9:00am - 9:50am   | Seats (Total: 20)<br>KEY 0106<br>KEY 0116 | Discussion |
| 0110 | Howard Smead<br>MW 12:00pm - 12:50pm<br>F 11:00am - 11:50am | Seats (Total: 20)<br>KEY 0106<br>KEY 0121 | Discussion |

|      |  |   |            |
|------|--|---|------------|
| 0111 | Howard Smead<br>MW 12:00pm - 12:50pm<br>F 12:00pm - 12:50pm    | Seats (Total: 20)<br>KEY 0106<br>KEY 0121 | Discussion |
| 0112 | Howard Smead<br>MW 12:00pm - 12:50pm<br>F 2:00pm - 2:50pm      | Seats (Total: 20)<br>KEY 0106<br>KEY 0117 | Discussion |
| 0201 | Robert Chiles<br>TuTh 11:00am - 11:50am<br>Tu 9:30am - 10:20am | Seats (Total: 20)<br>KEY 0106<br>KEY 0117 | Discussion |
| 0202 | Robert Chiles<br>TuTh 11:00am - 11:50am<br>Tu 12:30pm - 1:20pm | Seats (Total: 20)<br>KEY 0106<br>WDS 1127 | Discussion |
| 0203 | Robert Chiles<br>TuTh 11:00am - 11:50am<br>Th 9:30am - 10:20am | Seats (Total: 20)<br>KEY 0106<br>KEY 0117 | Discussion |
| 0204 | Robert Chiles<br>TuTh 11:00am - 11:50am<br>Th 12:30pm - 1:20pm | Seats (Total: 20)<br>KEY 0106<br>KEY 0121 | Discussion |
| 0205 | Robert Chiles<br>TuTh 11:00am - 11:50am<br>F 1:00pm - 1:50pm   | Seats (Total: 20)<br>KEY 0106<br>KEY 0117 | Discussion |
| 0206 | Robert Chiles<br>TuTh 11:00am - 11:50am<br>F 2:00pm - 2:50pm   | Seats (Total: 20)<br>KEY 0106<br>TLF 2103 | Discussion |
| 0207 | Robert Chiles<br>TuTh 11:00am - 11:50am<br>F 9:00am - 9:50am   | Seats (Total: 20)<br>KEY 0106<br>KEY 0121 | Discussion |
| 0208 | Robert Chiles<br>TuTh 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 20)<br>KEY 0106<br>KEY 0121 | Discussion |



|   |                      |                   |
|---|----------------------|-------------------|
| FC01  | Jeffrey Coster       | Seats (Total: 24) |
|   | MW 4:30pm - 5:45pm   | ASY 3211          |
| <i>Restricted to students in Freshmen Connection.</i> |                      |                   |
| FC02  | Robert Chiles        | Seats (Total: 24) |
|   | TuTh 4:30pm - 5:45pm | KEY 0126          |
| <i>Restricted to students in Freshmen Connection.</i> |                      |                   |

## HIST204

### Introduction to the History of Science

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH      General Education: DSHS

*Credit only granted for: HIST174 or HIST204. Formerly: HIST174.*

*An exploration of the roots of modern science from the ancient Greeks through the medieval and early modern periods. Focus on the men and women who helped to create the sciences and to change public perceptions of their disciplines.*

|   |                    |                   |
|---|--------------------|-------------------|
| FC01  | John Matthews      | Seats (Total: 30) |
|   | MW 4:30pm - 5:45pm | WDS 1114          |
| <i>Restricted to students in Freshmen Connection.</i> |                    |                   |

## HIST205

### Environmental History

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH      General Education: DSHS, DSHU

*An exploration of the way different societies have used, imagined, and managed nature. Includes examination of questions of land use, pollution, conservation, and the ideology of nature, especially but not exclusively in Europe and North America.*

|      |                       |                          |
|------|-----------------------|--------------------------|
| 0101 | Thomas Zeller         | Seats (Total: 20)        |
|      | TuTh 12:30pm - 1:20pm | TYD 0117                 |
|      | W 10:00am - 10:50am   | TLF 1101      Discussion |
| 0102 | Thomas Zeller         | Seats (Total: 20)        |
|      | TuTh 12:30pm - 1:20pm | TYD 0117                 |
|      | W 12:00pm - 12:50pm   | TLF 1103      Discussion |
| 0103 | Thomas Zeller         | Seats (Total: 20)        |
|      | TuTh 12:30pm - 1:20pm | TYD 0117                 |
|      | W 1:00pm - 1:50pm     | TLF 1103      Discussion |

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0104 | Thomas Zeller         | Seats (Total: 20) |            |
|      | TuTh 12:30pm - 1:20pm | TYD 0117          |            |
|      | Th 11:00am - 11:50am  | TLF 2103          | Discussion |

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**HIST208I      Historical Research and Methods Seminar; Religion, Secularism, and Revolution in the Early Modern World**

(Perm req)

Credits: 3      Grading Method: Regular

*Reading and research skills and methods. Research papers will be based on the topic of the seminar.*

Prerequisite: permission of department.

|      |   |                   |  |
|------|---|-------------------|--|
| 0101 | Jonathan Brower                               | Seats (Total: 12) |  |
|      | M 11:00am - 12:50pm                           | KEY 0107          |  |
|      | Contact instructor or department for details. |                   |  |
| 0201 | Jonathan Brower                               | Seats (Total: 12) |  |
|      | M 2:00pm - 3:50pm                             | KEY 0107          |  |
|      | Contact instructor or department for details. |                   |  |

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**HIST208J      Historical Research and Methods Seminar; Race, Gender and Science in American History**

(Perm req)

Credits: 3      Grading Method: Regular

*Reading and research skills and methods. Research papers will be based on the topic of the seminar.*

Prerequisite: permission of department.

|      |   |                   |  |
|------|---|-------------------|--|
| 0101 | Rachel Walker                                 | Seats (Total: 12) |  |
|      | Tu 9:30am - 11:20am                           | KEY 0107          |  |
|      | Contact instructor or department for details. |                   |  |
| 0201 | Rachel Walker                                 | Seats (Total: 12) |  |
|      | Tu 12:30pm - 2:20pm                           | KEY 0107          |  |
|      | Contact instructor or department for details. |                   |  |

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**HIST208K      Historical Research and Methods Seminar; The American Civil War**

(Perm req)

Credits: 3      Grading Method: Regular

*Reading and research skills and methods. Research papers will be based on the topic of the seminar.*

Prerequisite: permission of department.

|      |   |                   |
|------|---|-------------------|
| 0101 | Roger Bailey                                  | Seats (Total: 12) |
|      | Th 11:00am - 12:50pm                          | KEY 0107          |
|      | Contact instructor or department for details. |                   |
| 0201 | Roger Bailey                                  | Seats (Total: 12) |
|      | Th 2:00pm - 3:50pm                            | KEY 0107          |
|      | Contact instructor or department for details. |                   |

## **HIST213 History of Sexuality in America**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH, D      General Education: DSHS

*Credit only granted for: HIST213 or HIST219O. Formerly: HIST219O.*

*Explores the social construction of sexualities from the first colonial settlement to the modern era in the United States. Analyzes the implications of these understandings for power relations in U.S history.*

Also offered as WMST298L. Credit only granted for: HIST213, HIST219O, or WMST298L. Formerly: HIST219O.

|      |                      |                          |
|------|----------------------|--------------------------|
| 0101 | Clare Lyons          | Seats (Total: 20)        |
|      | MW 12:00pm - 12:50pm | SQH 1120                 |
|      | W 1:00pm - 1:50pm    | KEY 0121      Discussion |
| 0102 | Clare Lyons          | Seats (Total: 20)        |
|      | MW 12:00pm - 12:50pm | SQH 1120                 |
|      | W 2:00pm - 2:50pm    | KEY 0121      Discussion |
| 0103 | Clare Lyons          | Seats (Total: 20)        |
|      | MW 12:00pm - 12:50pm | SQH 1120                 |
|      | F 10:00am - 10:50am  | TLF 2103      Discussion |
| 0104 | Clare Lyons          | Seats (Total: 20)        |
|      | MW 12:00pm - 12:50pm | SQH 1120                 |
|      | F 11:00am - 11:50am  | TLF 2103      Discussion |

## **HIST219C Special Topics in History; The Million that's gone: The Jews of Muslim Lands in Modern Time**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSHS, DVUP

Also offered as JWST289A. Credit granted for JWST289A or HIST219C. Examines the complex and fraught history of the Jews of Muslim lands in modern times, a population reduced from about one million a century ago to several tens of thousands today.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Shay Hazkani           | Seats (Total: 30) |
|      | TuTh 11:00am - 12:15pm | HJP 2118          |

**HIST219J Special Topics in History; Modern India: From the British Raj to the World's Largest Democracy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

Surveys the making of modern India, as well as Pakistan and Bangladesh, from the onset of colonialism in the 18th century to the present day. Focuses on three key themes: state formation and the persistence of regional identities; the negotiation of religious, ethnic, caste, and gender differences; and economic development and inequality.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Mircea Raianu      | Seats (Total: 40) |
|      | MW 2:00pm - 3:15pm | JMP 1202          |

**HIST219O Special Topics in History; From Tarzan to Star Trek: Colonialism, Technology, and Science Fiction**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Paul Landau          | Seats (Total: 40) |
|      | TuTh 2:00pm - 3:15pm | KEY 1117          |

**HIST219R Special Topics in History; Australia: Conflict and Transformation**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

**HIST219V Special Topics in History; Islam in/and America**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

Also offered as AAST298A and AMST298I. Credit granted for AAST298A, AMST298I, or HIST219V. Islam in/and America examines the history and presence of Islam in the United States, and the construction and evolution of U.S. Muslim identity, community, and culture. A CIC CourseShare online course and part of the DISC initiative (Digital Islamic Studies Curriculum). The instructor is Sylvia Chan-Malik (American Studies/Women's and Gender Studies/Asian American Studies) at Rutgers University, but you enroll and receive credit for it at Maryland. You will also need to be entered into the University of Michigan Canvas course management system. The course meets twice a week in real time using video conferencing technology. For more information about this course, including textbook information and instructions on enrolling, please contact Prof. Janelle Wong (janellew@umd.edu ).

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Ilyas Abukar         | Seats (Total: 10) |
|      | TuTh 1:10pm - 2:30pm | HJP 3120          |

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### **HIST219X      Special Topics in History; Modern Iran**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

Also offered as HIST219X. Credit granted for PERS251 or HIST219X. General sociopolitical introduction to modern Iran from establishment of the Qajar dynasty in the late 18th century to the present day. Taught in English.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Ida Meftahi          | Seats (Total: 30) |
|      | TuTh 3:30pm - 4:45pm | JMZ 2122          |

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### **HIST219Z      Special Topics in History; The Devil in the Western Imagination**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

Also offered as RELS219Z. Credit granted for HIST219Z or RELS219Z. Students take an interdisciplinary look at how the Devil has been thought of and portrayed over time, from the Bronze Age Middle East to the present.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Andrew Kellett             | Seats (Total: 60) |
|      | Class time/details on ELMs | ONLINE            |

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### **HIST224      Modern Military History, 1494-1815**

Credits: 3                      Grading Method: Regular,                      CORE: SH                      General Education: DSHS  
Pass-Fail, Audit

*Survey of the military history of Europe through an examination of the economic, financial, strategic, tactical, and technological aspects of the development of military institutions and warfare from the dynastic wars of the Valois and Habsburgs to the national wars of the French Revolution and Napoleonic Empire.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | James Morningstar  | Seats (Total: 40) |
|      | MW 3:30pm - 4:45pm | KEY 0103          |

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### **HIST232      The Historical Development of London**

Credits: 3                      Grading Method: Regular,                      CORE: SH                      General Education: DSHS  
Pass-Fail, Audit

*Restriction: Permission of Study Abroad Office required. Credit only granted for: GNED288 and HIST232. Formerly: GNED288.*

*Study Abroad in London, England. The history of London, beginning with its foundation by the Romans, continuing with the city's progressive political and cultural domination of England, the British Isles and the British Empire, and concluding with a look at the city in the 20th century. Students look at London through the eyes of contemporaries and historians while forming their own impressions of the city during course-based walking tours of the city.*

**Contact department for information to register for this course.**

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**HIST234****History of Britain to 1485**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: SH      General Education: DSHS

*British history from Roman times to the 15th century. The Anglo-Saxon, Scandinavian, and Norman invasions; the coming of Christianity; Magna Carta, the development of Parliament, legal institutions, and the Common Law; the decline of medieval kingship.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Sabrina Baron         | Seats (Total: 40) |
|      | TuTh 9:30am - 10:45am | KEY 0126          |

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**HIST250****Colonial Latin America**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: SH, D      General Education: DSHS,  
DVUP

*Also offered as: LASC250. Credit only granted for: HIST250 or LASC250.*

*Introductory survey of the history of Latin America from pre-Columbian Indian cultures to the beginning of the wars for independence (ca. 1810), covering cultural, political, social, and economic developments. Major themes include conquest, colonialism, indigenous culture, African slavery, religion, race and ethnicity, and gender ideologies.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | David Sartorius        | Seats (Total: 40) |
|      | TuTh 11:00am - 12:15pm | KEY 1117          |

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**HIST254****African-American History to 1865**

Credits: 3      Grading Method: Regular,  
Pass-Fail      General Education: DVUP

*Survey of the principal developments in the history and culture of the peoples of African descent in colonial North America and the United States to 1865. Examines the African past, the Atlantic slave trade, variation in slavery, the growth of free black communities, the transformations of families and cultural forms, and patterns of resistance.*

Also offered as AASP298C. Credit will be granted for AASP298C or HIST 254.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Christopher Bonner     | Seats (Total: 40) |
|      | TuTh 11:00am - 12:15pm | KEY 0103          |

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**HIST266      The United States in World Affairs**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: SH      General Education: DSHS

*A study of the United States as an emerging world power and the American response to changing status in world affairs. Emphasis on the relationship between internal and external development of the nation.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Howard Smead       | Seats (Total: 40) |
|      | MW 2:00pm - 3:15pm | SQH 1103          |

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**HIST269D      Special Topics in Study Abroad II; Barcelona: the City and its History**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**HIST269K      Special Topics in Study Abroad II; Mediterranean Culture and History**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**HIST269M      Special Topics in Study Abroad II; History of Modern Italy**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**HIST269Y      Special Topics in Study Abroad II; Rome: Republic and Empire**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**HIST284****East Asian Civilization I**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: SH, D      General Education: DSHS,  
DVUP

*An interdisciplinary survey of the development of East Asian cultures. An historical approach drawing on all facets of East Asian traditional life, to gain an appreciation of the different and complex cultures of the area.*

|      |                        |                   |            |
|------|------------------------|-------------------|------------|
| 0101 | Ting Zhang             | Seats (Total: 20) |            |
|      | TuTh 11:00am - 11:50am | SYM 0200          |            |
|      | Tu 12:30pm - 1:20pm    | KEY 0121          | Discussion |
| 0102 | Ting Zhang             | Seats (Total: 20) |            |
|      | TuTh 11:00am - 11:50am | SYM 0200          |            |
|      | Tu 2:00pm - 2:50pm     | KEY 0121          | Discussion |
| 0103 | Ting Zhang             | Seats (Total: 20) |            |
|      | TuTh 11:00am - 11:50am | SYM 0200          |            |
|      | Th 12:30pm - 1:20pm    | TYD 2108          | Discussion |
| 0104 | Ting Zhang             | Seats (Total: 20) |            |
|      | TuTh 11:00am - 11:50am | SYM 0200          |            |
|      | Th 2:00pm - 2:50pm     | MTH 0403          | Discussion |

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**HIST287****Why the Jews? Historical and Cultural Investigations**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      General Education: DSHS,  
DSHU, DVUP

*Restriction: Must not have completed HIST282, HIST283, JWST234, or JWST235. Also offered as: JWST233. Credit only granted for: HIST287 or JWST233.*

*Examines the history and culture of the Jews from the thirteenth century BCE/BC to the present through an examination of significant themes or problems (such as "religion" or "diaspora") that shape our understanding of the Jewish people. A primary focus in the course will be on texts, artifacts, and other cultural products by Jews and others that illustrate the history of the Jews help understand their cultural heritage.*

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 0101 | Bernard Cooperman  | Seats (Total: 30) |  |
|      | MW 2:00pm - 3:15pm | KEY 0100          |  |



**HIST289C****Mirror of Democracy: The Golden Age of Athens**

|            |   |  |          |                                  |  |
|------------|---|--|----------|----------------------------------|--|
| Credits: 3 |   | Grading Method: Regular,<br>Pass-Fail, Audit | CORE: SH | General Education: DSHS,<br>SCIS |  |
| 0101       | Joseph Frechette                                      | Seats (Total: 20)                            |          |                                  |  |
|            | MW 4:00pm - 4:50pm                                    | LEF 2166                                     |          |                                  |  |
|            | W 10:00am - 10:50am                                   | KEY 0120                                     |          | Discussion                       |  |
| 0102       | Joseph Frechette                                      | Seats (Total: 20)                            |          |                                  |  |
|            | MW 4:00pm - 4:50pm                                    | LEF 2166                                     |          |                                  |  |
|            | W 12:00pm - 12:50pm                                   | TWS 1321                                     |          | Discussion                       |  |
| 0103       | Joseph Frechette                                      | Seats (Total: 20)                            |          |                                  |  |
|            | MW 4:00pm - 4:50pm                                    | LEF 2166                                     |          |                                  |  |
|            | W 1:00pm - 1:50pm                                     | TLF 1101                                     |          | Discussion                       |  |
| 0104       | Joseph Frechette                                      | Seats (Total: 20)                            |          |                                  |  |
|            | MW 4:00pm - 4:50pm                                    | LEF 2166                                     |          |                                  |  |
|            | W 2:00pm - 2:50pm                                     | KEY 0117                                     |          | Discussion                       |  |
| FC01       | Joseph Frechette                                      | Seats (Total: 20)                            |          |                                  |  |
|            | MW 6:00pm - 7:15pm                                    | TLF 2103                                     |          |                                  |  |
|            | <i>Restricted to students in Freshmen Connection.</i> |  |          |                                  |  |

**HIST289O****Lawlessness: From Pirates to Body-snatchers, Exploring the Legitimacy of Illicit Activity**

|            |  |  |                                  |  |
|------------|--|--|----------------------------------|--|
| Credits: 3 |  | Grading Method: Regular,<br>Pass-Fail, Audit | General Education: DSHS,<br>SCIS |  |
|------------|--|--|----------------------------------|--|

Explores motives of and responses to the lawless behavior of pirates, body snatchers, bandits, vigilantes, smugglers and others worldwide from the 1500s to today.

|      |                    |                   |  |            |  |
|------|--------------------|-------------------|--|------------|--|
| 0101 | Anne Rush          | Seats (Total: 20) |  |            |  |
|      | MW 1:00pm - 1:50pm | TYD 0117          |  |            |  |
|      | M 2:00pm - 2:50pm  | JMZ 2120          |  | Discussion |  |
| 0102 | Anne Rush          | Seats (Total: 20) |  |            |  |
|      | MW 1:00pm - 1:50pm | TYD 0117          |  |            |  |
|      | W 2:00pm - 2:50pm  | JMZ 2120          |  | Discussion |  |

|      |  |   |            |
|------|--|---|------------|
| 0103 | Anne Rush<br>MW 1:00pm - 1:50pm<br>W 11:00am - 11:50am                                       | Seats (Total: 20)<br>TYD 0117<br>TLF 1103 | Discussion |
| 0104 | Anne Rush<br>MW 1:00pm - 1:50pm<br>W 10:00am - 10:50am                                       | Seats (Total: 20)<br>TYD 0117<br>KEY 0126 | Discussion |
| FC01 | Anne Rush<br>MW 4:30pm - 5:45pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 30)<br>JMZ 0125             |            |

## HIST289Y

## Zombies, Fear, and Contagion: A Cultural History of Public Health, Medicine, and Technology

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSHS,  
DSHU, DVUP, SCIS

|      |  |   |            |
|------|--|---|------------|
| 0101 | Chantel Rodriguez<br>TuTh 2:00pm - 2:50pm<br>W 10:00am - 10:50am | Seats (Total: 20)<br>ESJ 0202<br>SYM 0209 | Discussion |
| 0102 | Chantel Rodriguez<br>TuTh 2:00pm - 2:50pm<br>W 1:00pm - 1:50pm   | Seats (Total: 20)<br>ESJ 0202<br>KEY 0124 | Discussion |
| 0103 | Chantel Rodriguez<br>TuTh 2:00pm - 2:50pm<br>W 11:00am - 11:50am | Seats (Total: 20)<br>ESJ 0202<br>SYM 0209 | Discussion |
| 0104 | Chantel Rodriguez<br>TuTh 2:00pm - 2:50pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>ESJ 0202<br>PLS 1158 | Discussion |
| 0105 | Chantel Rodriguez<br>TuTh 2:00pm - 2:50pm<br>F 1:00pm - 1:50pm   | Seats (Total: 20)<br>ESJ 0202<br>MTH 0104 | Discussion |
| 0106 | Chantel Rodriguez<br>TuTh 2:00pm - 2:50pm<br>F 2:00pm - 2:50pm   | Seats (Total: 20)<br>ESJ 0202<br>PLS 1117 | Discussion |

|      |  |   |            |
|------|--|---|------------|
| 0107 | Chantel Rodriguez<br>TuTh 2:00pm - 2:50pm<br>Th 3:30pm - 4:20pm  | Seats (Total: 20)<br>ESJ 0202<br>KEY 0124 | Discussion |
| 0108 | Chantel Rodriguez<br>TuTh 2:00pm - 2:50pm<br>F 2:00pm - 2:50pm   | Seats (Total: 20)<br>ESJ 0202<br>KEY 0120 | Discussion |
| 0109 | Chantel Rodriguez<br>TuTh 2:00pm - 2:50pm<br>Th 12:30pm - 1:20pm | Seats (Total: 20)<br>ESJ 0202<br>MTH 1313 | Discussion |
| 0110 | Chantel Rodriguez<br>TuTh 2:00pm - 2:50pm<br>M 10:00am - 10:50am | Seats (Total: 20)<br>ESJ 0202<br>KEY 0121 | Discussion |
| 0111 | Chantel Rodriguez<br>TuTh 2:00pm - 2:50pm<br>M 12:00pm - 12:50pm | Seats (Total: 20)<br>ESJ 0202<br>KEY 0121 | Discussion |
| 0112 | Chantel Rodriguez<br>TuTh 2:00pm - 2:50pm<br>M 2:00pm - 2:50pm   | Seats (Total: 20)<br>ESJ 0202<br>KEY 0121 | Discussion |

## HIST299

(Perm req)

### Directed Research

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Closely guided research in primary sources for students currently enrolled in selected 100- or 200-level surveys in the Department of History.*

Prerequisite: permission of department.

**Contact department for information to register for this course.**

## HIST306

### History of Religion in America

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: HIST200, HIST201, HIST210, HIST211, HIST213, HIST254, or HIST255; or must have completed HIST156 or HIST157; or permission of instructor. Also offered as: RELS346. Credit only granted for: HIST306 or RELS346.*

*A history of religion, religious movements, and churches in America from the early Colonial period to the present, with special attention to the relation between church and society.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Miles Bradbury       | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm | TLF 1103          |

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**HIST310 History of South Africa**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Formerly: HIST419E.*

*Explores the roots of Apartheid and the anti-Apartheid movement from precolonial times to the present: the social history of work and identity, the rise of kingdoms (Zulu, Sotho), conquest and colonial administration, urban and rural mass politics, gender relations, and the transition to democracy.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Paul Landau           | Seats (Total: 30) |
|      | TuTh 9:30am - 10:45am | KEY 1117          |

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**HIST319K Special Topics in History; Antisemitism: The "Old", the "Modern", and the "New" in European History and Beyond**

Credits: 3                      Grading Method: Regular,                      General Education: DSHU  
Pass-Fail, Audit

This course first examines pre-modern "old" religiously based antagonism to Judaism and the Jews, then turns to "modern" more secular forms of antisemitism in 19th and 20th centuries and concludes with "new" examination of globalization of antisemitism in late 20th and early 21st century.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Jeffrey Herf          | Seats (Total: 40) |
|      | TuTh 9:30am - 10:45am | TLF 2108          |

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**HIST319V Special Topics in History; America in the 1960s**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Katarina Keane       | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm | TLF 1101          |

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**HIST326 The Roman Republic**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: HIST111 or HIST110; or permission of instructor.*

*Ancient Rome 753-44 B.C., from its founding to the assassination of Julius Caesar. Rome's conquest of the Mediterranean world, the social and political forces that brought it about, and the consequent transformation and decline of the Republic.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Arthur Eckstein    | Seats (Total: 40) |
|      | MW 2:00pm - 3:15pm | KEY 0116          |

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**HIST328A      Selected Topics in History; Forging the Tortilla Curtain: US-Mexico Borderlands History, 1800-Present**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

Also offered as USLT318C. Credit granted for HIST328A or USLT318C. The historical roots of the U.S.-Mexico border and borderlands landscape, 1800-present. Emphasis on the creation and militarization of the U.S.-MX border, the effects of border-making and free-enterprise on borderlands society, the development of U.S. immigration policy at the U.S.-MX border, the challenges of globalization, and the Mexican migration experience.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Chantel Rodriguez      | Seats (Total: 40) |
|      | TuTh 11:00am - 12:15pm | KEY 0126          |

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**HIST328I      Selected Topics in History; Women in Israel**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

Explores race relations in Latin America from the colonial era through the present. Covers indigenous, immigrant, and Afro-Latin American experiences and how they have changed over time; systems of racial categorization; race-mixing (or mestizaje); slavery and emancipation; labor markets; access to property; local and regional identities; gender and sexuality; science and the arts; nationalism; and transnationalism.

**Contact department for information to register for this course.**

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**HIST328R      Selected Topics in History; Global History of Soccer: Politics, Culture, and Society**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Daniel Richter     | Seats (Total: 40) |
|      | MW 3:30pm - 4:45pm | KEY 0126          |

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**HIST329B      Special Topics in History; Drugs in the Modern World: From Opium Wars to the War on Drugs**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Daniel Richter     | Seats (Total: 40) |
|      | MW 2:00pm - 3:15pm | KEY 0126          |

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**HIST329E      Special Topics in History; Black Women in United States History**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

Also offered as AASP313 and WMST314. Credit granted for AASP313, WMST314 and HIST329E.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Elsa Barkley Brown | Seats (Total: 35) |
|      | M 6:00pm - 8:30pm  | KEY 0103          |

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**HIST329F      Special Topics in History; Religion and Empire in Late Antiquity**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

This class surveys the history of the Mediterranean and Near East in Late Antiquity (c. 250-750 CE). It focuses on the relationship between state institutions, economic power and religious authority in the empires of Rome, Iran and their successor states.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | John Weisweiler        | Seats (Total: 30) |
|      | TuTh 11:00am - 12:15pm | LEF 1220          |

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**HIST329I      Special Topics in History; Race in Latin America**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

Also offered as LASC348I. Credit granted for HIST329I or LASC348I. Explores race relations in Latin America from the colonial era through the present. Covers indigenous, immigrant, and Afro-Latin American experiences and how they have changed over time; systems of racial categorization; race-mixing (or mestizaje); slavery and emancipation; labor markets; access to property; local and regional identities; gender and sexuality; science and the arts; nationalism; and transnationalism.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Karin Roseblatt    | Seats (Total: 40) |
|      | MW 2:00pm - 3:15pm | KEY 0103          |

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**HIST329Q      Special Topics in History; The Koreas: Korean War to the 21st Century**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

This is a CIC courseshare course. The instructor, Professor Charles Kim, is at the University of Wisconsin, Madison, but UMD students enroll and receive it at UMD. Also offered as KORA398E. Credit granted for HIST329Q or KORA398E.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Instructor: TBA        | Seats (Total: 15) |
|      | TuTh 10:30am - 11:45am | JMZ 1123          |

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**HIST329V      Special Topics in History; Elizabeth I of England and Mary Queen of Scots: Between Propaganda and Myth**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

This class investigates the origins and developments of the representations of Queen Elizabeth and Mary Stuart, and of the myths that arose around their figures and vicissitudes.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Stefano Villani        | Seats (Total: 30) |
|      | TuTh 11:00am - 12:15pm | HBK 1112          |

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**HIST331      Europe in the High Middle Ages: 1000-1500**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Also offered as: RELS341. Credit only granted for: HIST331 or RELS341.*

*Medieval civilization in the 11th through 15th centuries. Emphasis on cultural and political developments of the high Middle Ages with study of the principal sources of medieval thought and learning, art and architecture, and political theory prior to the Renaissance.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Janna Bianchini    | Seats (Total: 40) |
|      | MW 2:00pm - 3:15pm | ASY 3203          |

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**HIST352      America in the Colonial Era, 1600-1763**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: HIST200, HIST210, HIST213, or HIST254; or must have completed HIST156; or permission of instructor.*

*The founding of the English colonies in America and their European backgrounds, the reasons for the instability of colonial society to 1689 and the emergence of stable societies after 1689; the development of colonial regionalism, political institutions, social divisions, the economy, religion, education, urban and frontier problems in the eighteenth century.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Miles Bradbury        | Seats (Total: 30) |
|      | TuTh 9:30am - 10:45am | TLF 1103          |

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### **HIST353      America in the Revolutionary Era, 1763-1815**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: HIST200, HIST210, HIST213, HIST254, or HIST275; or must have completed HIST156; or permission of instructor.*

*The background and course of the American Revolution and early nationhood through the War of 1812. Emphasis on how the Revolution shaped American political and social development, the creation of a new government under the Constitution, and the challenges facing the new nation.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Whitman Ridgway       | Seats (Total: 40) |
|      | TuTh 9:30am - 10:45am | KEY 0103          |

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### **HIST355      Civil War and the Rise of Industrialization, 1860-1900**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: HIST200, HIST201, HIST210, HIST213, HIST222, HIST254, HIST255, or HIST275; or must have completed HIST156 or HIST157; or permission of instructor. Credit only granted for: HIST355 or HIST364.*

*Civil War, sectional and class conflicts and their impact on American life and institutions from the beginning of the Civil War through the Gilded Age; social, economic, and political reconstruction of the Union; industrialization, urbanization, and technological changes.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Robert Chiles         | Seats (Total: 40) |
|      | TuTh 9:30am - 10:45am | TYD 2108          |

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### **HIST357      Recent America: 1945-Present**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: HIST201, HIST211, HIST213, HIST222, HIST255, or HIST275; or must have completed HIST157; or permission of instructor.*

*American history from the inauguration of Harry S. Truman to the present with emphasis upon politics and foreign relations, but with consideration of special topics such as radicalism, conservatism, and labor.*



|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Robert Chiles        | Seats (Total: 40) |
|      | TuTh 2:00pm - 3:15pm | KEY 0126          |

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**HIST369F      Special Topics in Study Abroad III; Caesar, Cicero and the Collapse of the Roman Republic**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**HIST371      Jews and Judaism in Antiquity II: First through Seventh Century**

Credits: 3      Grading Method: Regular,      General Education: DSHS,  
Pass-Fail, Audit      DSSP, DVUP

*Recommended: HIST370. Also offered as: JWST326. Credit only granted for: HIST371 or JWST326.*

*Political, social, and religious history of the Jews from the destruction of the Jerusalem Temple in 70 CE to the Muslim conquests. Special attention to the political transformation of Judaism under late Roman Christianity, and the rise of the Rabbinic movement.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Hayim Lapin        | Seats (Total: 30) |
|      | Tu 4:00pm - 6:30pm | KEY 0100          |

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**HIST382      Law and Culture in Late Imperial China**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*An exploration of Chinese law and its social/cultural implications in the late imperial period (1550s-1900s). Major interpretations of the conceptions of law and justice, the functioning of the judicial system, and local courts. An introduction to society and culture, politics and the bureaucracy, family and gender relations, and literature and popular religion of China through the lens of law.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Ting Zhang           | Seats (Total: 30) |
|      | TuTh 3:30pm - 4:45pm | TLF 1101          |

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**HIST386      Experiential Learning**

(Perm req)      Credits: 3-6      Grading Method: Regular,  
Pass-Fail

*Restriction: Permission of ARHU-History department; and junior standing or higher.*

*The History Department's Internship program. Pre-professional experience in historical research, analysis, and writing in a variety of work settings.*

**Contact department for information to register for this course.**

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**HIST395****Honors Colloquium I**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of ARHU-History department; and must be in History program.*

*History and theory: the conceptual underpinnings of the historical discipline. Students evaluate several contrasting theories of history. Prerequisite for other honors courses.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Holly Brewer       | Seats (Total: 15) |
|      | Tu 2:00pm - 4:30pm | TLF 2108          |

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**HIST398****Honors Thesis I**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Individual research and preparation of History Honors Theses.*

Prerequisite: permission of department.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Holly Brewer      | Seats (Total: 15) |
|      | W 2:00pm - 4:30pm | TLF 2108          |

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**HIST405****Environmental History**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*An introduction to the key issues and methods of environmental history. The scope of the subject is discussed, as well as its relationship with other disciplines, such as ecology, anthropology, and geography. A primary focus is environmental change in history with emphasis on the American experience.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Robert Friedel     | Seats (Total: 30) |
|      | MW 2:00pm - 3:15pm | KEY 1117          |

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**HIST408I****Senior Seminar; Literature and Jewish Life in Eastern Europe**

(Perm req)

Credits: 3

Grading Method: Regular

CORE: CS

General Education: DSSP

*A capstone course for history majors, designed to increase historical knowledge and the ability to analyze texts and arguments. Topics will focus on the literature of a particular field and primary-source research.*

Prerequisite: permission of department.

|      |                      |                  |
|------|----------------------|------------------|
| 0101 | Rachel Manekin       | Seats (Total: 5) |
|      | TuTh 3:30pm - 4:45pm | SQH 1125         |

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#### **HIST408P**

##### **Senior Seminar; War in the Pacific**

(Perm req)

Credits: 3

Grading Method: Regular

CORE: CS

General Education: DSSP

*A capstone course for history majors, designed to increase historical knowledge and the ability to analyze texts and arguments. Topics will focus on the literature of a particular field and primary-source research.*

Prerequisite: permission of department.

|      |   |                   |
|------|---|-------------------|
| 0101 | Colleen Woods                                 | Seats (Total: 12) |
|      | Tu 3:30pm - 5:20pm                            | JMZ 1124          |
|      | Contact instructor or department for details. |                   |

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#### **HIST408Q**

##### **Senior Seminar; Democracy and Dictatorship in Modern German History**

(Perm req)

Credits: 3

Grading Method: Regular

CORE: CS

General Education: DSSP

*A capstone course for history majors, designed to increase historical knowledge and the ability to analyze texts and arguments. Topics will focus on the literature of a particular field and primary-source research.*

Prerequisite: permission of department.

|      |   |                   |
|------|---|-------------------|
| 0101 | Jeffrey Herf                                  | Seats (Total: 12) |
|      | Tu 3:30pm - 5:30pm                            | JMZ 1123          |
|      | Contact instructor or department for details. |                   |

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#### **HIST408R**

##### **Senior Seminar; Race and Religion in the Middle Ages**

(Perm req)

Credits: 3

Grading Method: Regular

CORE: CS

General Education: DSSP

*A capstone course for history majors, designed to increase historical knowledge and the ability to analyze texts and arguments. Topics will focus on the literature of a particular field and primary-source research.*

Prerequisite: Permission of Department.

|      |   |                   |
|------|---|-------------------|
| 0101 | Colleen Ho                                    | Seats (Total: 12) |
|      | W 2:00pm - 3:50pm                             | KEY 0107          |
|      | Contact instructor or department for details. |                   |

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**HIST419P      Special Topics in History; Origins of Ethnic Cleansing in Russia and the Soviet Union**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Mikhail Dolbilov      | Seats (Total: 30) |
|      | TuTh 9:30am - 10:45am | JMZ 3205          |

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**HIST419Q      Special Topics in History; Before the Holocaust: The Golden Age of European Jewry**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

Also offered as JWST370. Credit granted for HIST419Q or JWST370. An exploration of the history of the Jews of Eastern Europe from the period of the Polish Lithuanian Commonwealth until the Holocaust. Topics to be covered include religious, political, social, and cultural transformation of Jewish life in Eastern Europe in the context of the general political changes in the area.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Rachel Manekin        | Seats (Total: 30) |
|      | TuTh 9:30am - 10:45am | SQH 1107          |

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**HIST419X      Special Topics in History; Corporations on Trial: Histories of Law, Capitalism, and Human Rights**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

Examines legal challenges to corporations around the world over the past 200 years through selected case studies. Topics include globalization, empires, the world wars, and the emergence of human rights, corporate social responsibility, and environmental justice.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Mircea Raianu      | Seats (Total: 20) |
|      | Tu 2:00pm - 4:30pm | JMZ 2125          |

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**HIST428A      Selected Topics in History; Chinese Cities and Frontiers**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | James Gao            | Seats (Total: 20) |
|      | TuTh 3:30pm - 4:45pm | KEY 0116          |

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**HIST428K      Selected Topics in History; Cosmopolitanism and Empire in the Ancient Mediterranean and Near East**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

This seminar explores the relationship between cosmopolitanism and empire in Antiquity. It traces the distinctive forms of cultural self-understanding adopted by the ruling elites of the Assyrian, Achaemenian, Seleukid, Roman and Iranian empires.

|      |                    |                  |
|------|--------------------|------------------|
| 0101 | John Weisweiler    | Seats (Total: 8) |
|      | Tu 6:00pm - 8:30pm | TLF 2108         |

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**HIST428L      Selected Topics in History; Archaeology of Slavery: Classical, Caribbean and North American Contexts**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

Has slavery always existed? Does it come and go? North American plantation archaeology has become one of the foundations for understanding African American culture from the 1960s. Slavery in Antiquity existed in Greece and Rome on large scales and was essential to making commercial agriculture profitable work. Slavery in the Caribbean showed Europeans how to make a profit from African bodies. Trafficking in human persons today is recorded by the U.S. State Department annually and is regarded as modern slavery. These varying contexts of slavery will be compared in an attempt to understand slavery scientifically. Also offered as ANTH433, AASP498T, AMST428D, and ARCH428L. Credit granted for HIST428L, ANTH433, AASP498T, AMST428D, or ARCH428L.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Mark Leone         | Seats (Total: 20) |
|      | Tu 2:00pm - 4:45pm | WDS 1130          |

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**HIST428R      Selected Topics in History; Transition to Islam: From the Ancient to the Medieval Muslim World**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

This course questions the rise of Islam in Late Antiquity, the development of the Caliphate, and the making of a discrete Muslim identity, up to the classical Abbasid period (9-10th centuries).

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Antoine Borrut     | Seats (Total: 25) |
|      | MW 2:00pm - 3:15pm | TLF 1101          |

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**HIST428X      Selected Topics in History; 1967 and its Aftermath: How they Changed Israel and the Mideast**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

Also offered as ISRL448T and JWST429D. Credit granted for ISRL448T, JWST429D, or HIST428X. The Six Day/June War of 1967 helped set into motion a series of events that reverberate today. This seminar will examine the results of the war, focusing primarily on the Israeli Occupation of the West Bank, the ensuing radical transformation of Israeli policy towards Palestinians, and its impact on their daily lives. It will also examine Palestinian resistance to the Occupation, including the use of terror against civilians.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Shay Hazkani       | Seats (Total: 30) |
|      | MW 2:00pm - 3:15pm | HJP 4120          |

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**HIST429A      Special Topics in History; Victoria's Secrets: Sex and Class in Nineteenth Century Britain**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

Queen Victoria, Darwin, Sherlock Holmes and Jack the Ripper: meet some of the Victorians who continue to captivate our historical imagination and learn the truth about sex, class, and race in 19th Century Britain.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Julie Taddeo          | Seats (Total: 30) |
|      | TuTh 12:30pm - 1:45pm | HBK 1112          |

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**HIST429I      Special Topics in History; American Slavery, American Freedom**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

Readings and discussions on the nineteenth-century United States. We will explore the range of histories that slavery touched, including American economic development, abolitionism, national expansion, the Civil War, and Reconstruction.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Christopher Bonner | Seats (Total: 20) |
|      | Th 2:00pm - 4:30pm | JMZ 1117          |

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**HIST429K      Special Topics in History; From Colonization to Decolonization in North Africa, 1830-1962**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

The course examines the colonial experience in North Africa from the French conquest of Algeria in 1830 to the end of the Algerian war in 1962. The main focus will be on Algeria, Morocco, and Tunisia. Readings and primary sources will address colonial administration and social Orientalism and cultural imperialism, the formation of national independence movements, and the role of ideology and religion in them. Students will explore the history of colonialism in North Africa through the eyes of both the colonizers and the colonized.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Peter Wien          | Seats (Total: 20) |
|      | Tu 9:30am - 12:00pm | TLF 2103          |

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**HIST429N      Special Topics in History; The Aztecs: Human Sacrifice and Conquest**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

Also offered as LASC448J, PHIL428N, and RELS419J. Credit granted for HIST429N LASC448J, PHIL428N, or RELS419J. We examine the philosophical worldview and daily life of the Aztecs as well as arguments concerning the legitimacy of the Conquest.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | James Maffie         | Seats (Total: 40) |
|      | TuTh 3:30pm - 4:45pm | KEY 1117          |

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**HIST430      Tudor England**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*An examination of the political, religious, and social forces in English life, 1485-1603, with special emphasis on Tudor government, the English reformation, and the Elizabethan era.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Sabrina Baron         | Seats (Total: 25) |
|      | TuTh 12:30pm - 1:45pm | KEY 0126          |

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**HIST453      Diplomatic History of the United States from 1914**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*American foreign relations in the 20th century. World War I, the Great Depression, World War II, the Cold War, the Korean War, and Vietnam. A continuation of HIST452.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Colleen Woods         | Seats (Total: 40) |
|      | TuTh 12:30pm - 1:45pm | KEY 1117          |

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**HIST466      Immigration and Ethnicity in the U.S.**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: AAST200, AAST201, AAST222, HIST200, HIST201, HIST221, or HIST222; or must have completed HIST156 or HIST157; or permission of ARHU-History department. Credit only granted for: AAST498L or HIST466.*

*Seminar exploring historical problems relating to US immigration, race, and ethnicity since 1848, with emphasis on cultural impacts of migration on immigrants, their children, and U.S. society.*

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|------|-------------------|-------------------|
| 0101 | Julie Greene      | Seats (Total: 15) |
|      | M 1:00pm - 3:30pm | TLF 2103          |

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**HIST469A      Study Abroad Special Topics IV; Ancient Chinese History**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**HIST477      Transnational Blackness in the Americas**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The African diaspora is a concept that attempts to comprehend the shared experiences of African-descended peoples throughout the world, particularly in the Americas. While many of these peoples identify with a particular nationality (being Brazilian, Cuban, or from the United States alone or alongside being black, of color, or of African descent), many of them have forged connections with each other across national boundaries and recognized commonalities that transcend their national contexts. This class will use fiction, memoir, and recent historical scholarship to explore the history of the links that Afro-Latin American and Afro-North Americans have created in the nineteenth and twentieth centuries. Ultimately, the course will help us understand the historical possibilities and limitations of conceiving of African Americans as a hemispheric, transnational social group.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | David Sartorius       | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | KEY 0117          |

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**HIST481      A History of Modern China**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Modern China from 1644 to the People's Republic of China. Emphasis on the coming of the West to China and the various stages of the Chinese reaction.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | James Gao             | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | KEY 0116          |

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**HIST482      History of Japan to 1800**



Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Traditional Japanese civilization from the age of Shinto mythology and introduction of continental learning down to the rule of military families, the transition to a money economy, and the creation of a townsmen's culture. A survey of political, economic, religious, and cultural history.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Louisa Rubinien      | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm | SQH 1103          |

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**HIST491                      History of the Ottoman Empire**

Credits: 3                      Grading Method: Regular,                      , D  
Pass-Fail, Audit

*Survey of the Ottoman Turkish Empire from 1300 A.D. to its collapse during World War I. Emphasis on the empire's social and political institutions and its expansion into Europe, the Arab East and North Africa.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Madeline Zilfi        | Seats (Total: 32) |
|      | TuTh 9:30am - 10:45am | KEY 0116          |

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**HIST492                      Women and Society in the Middle East**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Recommended: Must have completed prior coursework in Middle East studies or gender studies. Also offered as: WMST456. Credit only granted for: HIST492 or WMST456.*

*Examines the customs, values, and institutions that have shaped women's experience in the Middle East in the past and in the contemporary Middle East.*

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|------|--------------------|-------------------|
| 0101 | Madeline Zilfi     | Seats (Total: 15) |
|      | Th 3:30pm - 6:00pm | TLF 2103          |

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**HIST499                      Independent Study**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

Prerequisite: permission of department.

**Contact department for information to register for this course.**

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**HIST601                      History and Contemporary Theory**

Credits: 3                      Grading Method: Regular,  
Audit

*An introduction to contemporary theories in philosophy, literary criticism, cultural studies, anthropology, and other fields; and analysis of their usefulness to historians.*

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|------|--------------------|-------------------|
| 0101 | Stefano Villani    | Seats (Total: 15) |
|      | Tu 3:30pm - 6:00pm | TLF 2100          |

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**HIST607                      The Teaching of History in Institutions of Higher Learning**

(Perm req)

Credits: 1                      Grading Method: Sat-Fail

|      |   |                   |
|------|---|-------------------|
| 0101 | Ahmet Karamustafa                             | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |
| 0201 | David Freund                                  | Seats (Total: 6)  |
|      | Contact instructor or department for details. |                   |

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**HIST608A                      General Seminar; American History**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*General seminar in student's major field of study (e.g., U.S.; Women and Gender; International, World, and Comparative; Science and Technology; Latin America) exploring the concentration's major issues, topics, and literature.*

Prerequisite: permission of department.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Whitman Ridgway    | Seats (Total: 15) |
|      | Tu 6:00pm - 8:30pm | TLF 2103          |

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**HIST619A                      Special Topics in History; Independent Study**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Audit

Prerequisite: permission of department.

**Contact department for information to register for this course.**

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**HIST619B                      Special Topics in History; Independent Study**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

Credits: 3      Grading Method: Regular,  
Audit

|      |                    |                  |
|------|--------------------|------------------|
| 0101 | Madeline Zilfi     | Seats (Total: 5) |
|      | Th 3:30pm - 6:00pm | TLF 2103         |

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**HIST619X      Special Topics in History; History of North American Slavery in the Comparative Perspective**

Credits: 3      Grading Method: Regular,  
Audit

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Ira Berlin        | Seats (Total: 12) |
|      | W 3:30pm - 6:00pm | TLF 2101          |

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**HIST619Y      Special Topics in History; History of the Ottoman Empire**

Credits: 3      Grading Method: Regular,  
Audit

|      |                       |                  |
|------|-----------------------|------------------|
| 0101 | Madeline Zilfi        | Seats (Total: 5) |
|      | TuTh 9:30am - 10:45am | KEY 0116         |

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**HIST619Z      Special Topics in History; Middle East Studies Graduate Colloquium**

Credits: 1      Grading Method: Regular,  
Audit

Also offered as JWST699N. Credit granted for HIST619Z or JWST699N. Contact instructor for information, [pwien@umd.edu](mailto:pwien@umd.edu).

|      |   |                   |
|------|---|-------------------|
| 0101 | Instructor: TBA                               | Seats (Total: 20) |
|      | Contact instructor or department for details. |                   |

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**HIST638A      Special Topics in History; The Long 20th Century: Politics, Culture, and Institutions in U.S. History**

Credits: 3      Grading Method: Regular,  
Audit

*Special Topics in History.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | David Freund       | Seats (Total: 12) |
|      | Tu 3:30pm - 6:00pm | TLF 2103          |

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**HIST639I      Special Topics in History; Race and Ethnicity in the Americas**

*Special Topics in History.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Karin Roseblatt   | Seats (Total: 12) |
|      | W 3:30pm - 6:00pm | TLF 2100          |

**HIST708**

## Directed Independent Reading for Comprehensive Examinations I

Credits: 1-4      Grading Method: Sat-Fail

*Directed reading in preparation for Doctoral Comprehensive Examinations In consultation with their advisors, students will select a number of books and articles from an approved list. Grading for the course will reflect performance on the written and oral sections of the Comprehensive Examinations.*

**Contact department for information to register for this course.**

**HIST709**

## Directed Independent Reading for Comprehensive Examinations II

Credits: 1-4      Grading Method: Sat-Fail

*Directed reading in preparation for Doctoral Comprehensive Examinations. In consultation with their advisors, students will select a number of books and articles from an approved list. Grading for the course will reflect performance on the written and oral sections of the Comprehensive Examinations.*

**Contact department for information to register for this course.**

**HIST720**

## Readings in the History of the Catholic Church

Credits: 3      Grading Method: Regular,  
Audit

*This is graduate-level readings seminar in the modern history of the Catholic Church. We will begin with the Reformation and proceed through the present day. This course will combine European history with global history, looking both at how the Church changed in the face of major turning points in modern European history (the Scientific, French, and Russian Revolutions; the two world wars; and the Cold War) and at its missionary encounters and long-term presence across the world (in Latin America, India, China, Africa, and North America).*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Piotr H Kosicki    | Seats (Total: 12) |
|      | Tu 6:00pm - 8:30pm | TLF 2101          |

**HIST779E**

## Readings in Middle Eastern History; Approaching Early Islam

Credits: 3      Grading Method: Regular,  
Audit

This course focuses on the first centuries of Islam and addresses the many methodological challenges facing the historian eager to approach the period.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Antoine Borrut    | Seats (Total: 12) |
|      | W 3:30pm - 6:00pm | Location: TBA     |

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**HIST799      Master's Thesis Research**

(Perm req)

Credits: 1-6      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**HIST810      Museum Research Seminar**

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: HIST610. Also offered as: ANTH856, AMST856. Credit only granted for: AMST856, HIST810, or ANTH856.*

*A research seminar focusing on the practice and presentation of cultural and historical scholarship in museums and historical sites. Students will complete an original research project on the challenges and opportunities of public exhibition and interpretation of cultural and historical research.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Elsa Barkley Brown | Seats (Total: 15) |
|      | W 4:00pm - 6:40pm  | TWS 1313          |

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**HIST811      Museum Scholarship Practicum**

(Perm req)

Credits: 3-6      Grading Method: Regular

*Prerequisite: HIST810. Restriction: Permission of Museum Scholarship Program required. Also offered as: ANTH857, AMST857. Credit only granted for: ANTH 857, AMST857 or HIST811.*

*Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.*

|      |   |                  |
|------|---|------------------|
| 0101 | Mary Alexander                                | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |
| 0401 | Mary Sies                                     | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |

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**HIST819A      Special Topics in History: Independent Research**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Audit

*Individual graduate research in an area not covered by current seminar offerings. The product will be a finished research paper normally based on original materials.*

Department permission required.

**Contact department for information to register for this course.**

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**HIST819B**

**Special Topics in History: Independent Research**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Audit

*Individual graduate research in an area not covered by current seminar offerings. The product will be a finished research paper normally based on original materials.*

Department permission required.

**Contact department for information to register for this course.**

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**HIST819M**

**Special Topics in History: Independent Research; Research in U.S. History, 1850 to the Present**

Credits: 3

Grading Method: Regular,  
Audit

*Individual graduate research in an area not covered by current seminar offerings. The product will be a finished research paper normally based on original materials.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Leslie Rowland    | Seats (Total: 12) |
|      | W 6:00pm - 8:30pm | TLF 2100          |

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**HIST898**

**Pre-Candidacy Research**

Credits: 1-8

Grading Method: Regular

**Contact department for information to register for this course.**

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**HIST899**

**Doctoral Dissertation Research**

(Perm req)

Credits: 6

Grading Method: Regular

**Contact department for information to register for this course.**

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**HLMN**

**Hillman Entrepreneurs Program**

**Fall 2017**

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**HLMN470**

**Fundamentals of Entrepreneurial Ventures**

Credits: 3

Grading Method: Regular

*Restriction: Restricted to students in the Hillman Entrepreneurs Program. Credit only granted for: HLMN470, ENES460 or BMGT461. Additional information: HLMN470 may not count toward any BMGT major or minor degree.*

*Learn the processes and skills needed to launch and manage start-up ventures, including technology startups. Assess the feasibility of a startup ventures, as well as how to apply best practices for planning, launching, and managing new companies by using real-world examples and in-depth case studies. Discuss a wide range of issues of importance and concern to entrepreneurs and learn to recognize opportunity, assess the skills and talents of successful entrepreneurs, and learn models and approaches that help navigate uncertainty.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Gul Branco        | Seats (Total: 75) |
|      | F 1:00pm - 3:30pm | ESJ 1215          |

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## **HLMN472      Strategies for Innovation & Entrepreneurship**

Credits: 3                      Grading Method: Regular

*Restriction: Restricted to students in the Hillman Entrepreneurs Program. Credit only granted for: HLMN472, BMGT467, or ENES463. Additional information: HLMN472 may not count toward any BMGT major or minor degree.*

*Understand the process of technological change; the ways that firms come up with innovations; the strategies that firms use to benefit from innovation; and how to create new value not only through new products or services, but with novel technologies, business concepts, organizing structures, transaction/financing mechanisms, distribution channels, and market segmentation. Challenge students to think about how to create value and build a productive business organization with available resources (e.g. intelligence, insight, energy, initiative and personal relationships).*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Adam Zuckerman    | Seats (Total: 75) |
|      | F 1:00pm - 3:30pm | TWS 0310          |

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## **HLSA      Health Services Administration      Fall 2017**

### **HLSA300      Introduction to Health Policy and Services**

Credits: 3                      Grading Method: Regular

*Prerequisite: Minimum grade of C- in CHEM131 and CHEM132. Restriction: Must be in Public Health Science program; and junior standing or higher. Credit only granted for: SPHL498P or HLSA300. Formerly: SPHL498P.*



*This course provides a multidimensional view of public health policy and services. Through interactive discussion of assigned readings, team-based learning, and supplementary lecture, students will learn about the nature of and development of policy, public health policy, and financing and delivery of health care services. Concepts such as unintended consequences, association versus causation, evidence-based information, and the challenges of deconstructing available data, will be discussed throughout the course with the purpose of strengthening student abilities to analyze and challenge assumptions. This course will place a significant emphasis on a team-based learning approach to understanding the health care system and health care reform.*

|      |   |   |            |
|------|---|---|------------|
| 0101 | Dylan Roby<br>MW 10:00am - 10:50am<br>W 11:00am - 11:50am   | Seats (Total: 20)<br>ESJ 0202<br>KEY 0116 | Discussion |
| 0102 | Dylan Roby<br>MW 10:00am - 10:50am<br>W 12:00pm - 12:50pm   | Seats (Total: 20)<br>ESJ 0202<br>KEY 0116 | Discussion |
| 0103 | Dylan Roby<br>MW 10:00am - 10:50am<br>W 2:00pm - 2:50pm   | Seats (Total: 20)<br>ESJ 0202<br>TWS 1313 | Discussion |
| 0104 | Dylan Roby<br>MW 10:00am - 10:50am<br>W 3:00pm - 3:50pm   | Seats (Total: 20)<br>ESJ 0202<br>HBK 0123 | Discussion |
| 0105 | Dylan Roby<br>MW 10:00am - 10:50am<br>F 9:00am - 9:50am   | Seats (Total: 20)<br>ESJ 0202<br>JMZ 1117 | Discussion |
| 0106 | Dylan Roby<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am   | Seats (Total: 20)<br>ESJ 0202<br>SPH 0303 | Discussion |
| 0107 | Dylan Roby<br>MW 10:00am - 10:50am<br>F 11:00am - 11:50am   | Seats (Total: 20)<br>ESJ 0202<br>SPH 0303 | Discussion |
| SG91 | Negin Fouladi<br>M 2:00pm - 4:30pm<br><br><i>Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll.</i> | Seats (Total: 35)<br>BLD3 2203            |            |

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**HLSA484****Redesigning Health Care: Developing a Clinic to Meet Community Needs**

Credits: 3      Grading Method: Regular

*Restriction: Must have completed a minimum of 60 credits. Additional information: Two sessions will be on-site at the Mona Clinic in Temple Hills, MD, and the remaining sessions will be taught in the University of Maryland's Academy for Innovation and Entrepreneurship.*

*Provides an opportunity for students to learn a key entrepreneurial skill, Design Thinking, while helping to build, reshape, redesign and transform delivery of health care in the Mona Center, a new community center and clinic in Prince George's County. This new, modern vision for a health and wellness clinic embraces student involvement in designing, planning and contributing to innovative programs, solutions, and processes to improve the clinic's ability to meet community and patient needs by addressing the social determinants of health as well as traditional clinical health status. Students in the class will develop empathy for patients, providers and other stakeholders, define problems, select a specific problem for intervention, understand problems based on stakeholder input, ideate, reframe and suggest options to solve or address the problem, prototype solutions, test ideas, and make recommendations to inform implementation and ongoing measurement and monitoring of impact.*

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|------|--------------------------------|-------------------|
| 0101 | Stephen Thomas, Susan Passmore | Seats (Total: 20) |
|      | F 10:00am - 12:30pm            | ESJ 2101          |

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**HLSA601****Introduction to Health Systems**Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must not have completed HLTH740. Credit only granted for: HLSA601, HLTH688A, or HLTH740. Formerly: HLTH688A or HLTH740.*

*Management and leadership skills for effective public health planning, organization, management and administration. Emphasis is on the role of institutions in learning and behavioral change process, organizational theory, administration management, and coordinating provision of community health services.*

|      |   |                   |
|------|---|-------------------|
| 0102 | Andrew Fenelon  | Seats (Total: 60) |
|      | M 4:00pm - 6:45pm   | SPH 1303          |
| PLH1 | Negin Fouladi   | Seats (Total: 35) |
|      | Class time/details on ELMs                                    | ONLINE            |
|      | <i>Restricted to students in MPH-PHPP or GC-PPH programs.</i> |                   |

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**HLSA611****Introduction to Health Equity**

Credits: 3      Grading Method: Regular

*The emerging field of health equity is concerned with understanding the causes and consequences of social disparities in population health. This course is designed to expose students to the foundational issues in health equity from a variety of perspectives. Through weekly meetings and discussion, students will develop familiarity with the major literature in the field of health equity. The course is divided into three sections: (1) Understanding & Addressing Health Disparities; (2) Disparity Populations; and (3) Solutions in Health Equity. Students will gain understanding of the dimensions and sources of health inequality, including race/ethnicity, socioeconomic status, gender, nativity, and sexual minority status. Current policy debates and recent policy developments related to health equity are also briefly discussed. The course is organized as a seminar with a combination of lectures and class discussions. Students will also have the opportunity to develop ideas for independent research.*

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|------|-------------------|-------------------|
| 0101 | Andrew Fenelon    | Seats (Total: 20) |
|      | W 7:00pm - 9:45pm | SPH 0305          |

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### **HLSA688 Independent Study**

(Perm req)

Credits: 1-6      Grading Method: Regular,  
Audit

*Master or doctoral students who desire to pursue special research problems under the direction of a faculty member of the department may register for 1-6 hours of credit under this number.*

**Contact department for information to register for this course.**

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### **HLSA689 Field Work in Aging**

Credits: 1-6      Grading Method: Regular

*Individual instruction course.*

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|------|---|------------------|
| 0201 | Lori Simon-Rusinowitz                         | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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### **HLSA702 Policy and Politics of Health**

Credits: 3      Grading Method: Regular,  
Audit

*Organizational and financial components of the U.S. health care system, including social and political forces that bind the system. Advanced political analysis of the health care system, including key issues and problems.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Lori Simon-Rusinowitz | Seats (Total: 20) |
|      | W 1:00pm - 3:45pm     | SPH 0301          |

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### **HLSA703 Seminar in Health Equity**

Credits: 1      Grading Method: Regular, Audit

*Student-led presentations and discussion of contemporary literature in the areas of health disparities and health equity, social determinants, (eg. race, ethnicity, sex, age, sexual identity, disability, socioeconomic status, and geographic location) and policies and programs to address disparities. The emphasis is on papers describing new research findings, novel techniques, innovative methods, and emerging issues.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Dylan Roby           | Seats (Total: 20) |
|      | Th 12:00pm - 12:50pm | CHM 0124          |

## HLSA709 Graduate Seminar

Credits: 1      Grading Method: Sat-Fail,  
Audit

*The purpose of the course is for doctoral students to present their work on their dissertation to fellow doctoral students and faculty in an informal supportive environment. Faculty and students provide feedback and suggestions that are helpful to the presenting students.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Luisa Franzini       | Seats (Total: 10) |
|      | Th 12:00pm - 12:50pm | Location: TBA     |

## HLSA711 Health Economics and Analysis

Credits: 3      Grading Method: Regular,  
Audit

*Provides an analysis of health and health care services as economic goods. Using microeconomic theories, we will examine the behavior of health care providers, consumers, markets, and firms.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Jie Chen  | Seats (Total: 20) |
|      | M 4:00pm - 6:45pm   | SPH 0301          |
| PLH1 | Farah Farahati  | Seats (Total: 35) |
|      | Class time/details on ELMs                                    | ONLINE            |
|      | <i>Restricted to students in MPH-PHPP or GC-PPH programs.</i> |                   |

**HLSA713 Seminar in Health Policy**

Credits: 1      Grading Method: Regular, Audit

*Student-led presentations of contemporary literature in the areas of health policy, health care reform in the nation and Maryland, and evaluation of health policies and programs. Emphasis on papers describing new research findings, novel techniques, innovative methods, and emerging issues.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Dylan Roby           | Seats (Total: 20) |
|      | Th 12:00pm - 12:50pm | CHM 0124          |

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**HLSA720****Health Law and Ethics**

Credits: 3                      Grading Method: Regular,  
   Audit

*The legal system helps determine the relationships prevailing among individuals, institutions and governments by setting out the rights, duties and powers of the various parties. This course will look at some of the more important concepts the law uses within the context of health services and public health.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Mathew Swinburne  | Seats (Total: 25) |
|      | Tu 4:00pm - 6:45pm  | ANS 0412          |
| PLH1 | Arthur Reynolds   | Seats (Total: 35) |
|      | Class time/details on ELMs                                    | ONLINE            |
|      | <i>Restricted to students in MPH-PHPP or GC-PPH programs.</i> |                   |

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**HLSA721****Using Demographic Data for Health Policy Analysis**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: EPIB650; or students who have taken courses with comparable content may contact the department; or permission of instructor. Additional information: Priority enrollment will be given to students in the Department of Health Services Administration programs.*

*The goal of this course is to introduce students to the major demographic data sets that are used in health policy research and to provide hands-on experience using these data to answer policy oriented research questions*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Michel Boudreaux   | Seats (Total: 20) |
|      | Th 4:00pm - 6:45pm | SPH 0301          |

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**HLSA725****Econometrics in Public Health**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: EPIB650; or students who have taken courses with comparable content may contact the department. Additional information: priority enrollment will be given to students at the School of Public Health.*

*Empirical course to introduce students to econometric methods and their applications in public health.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Luisa Franzini    | Seats (Total: 20) |
|      | W 4:45pm - 7:30pm | SPH 1303          |

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## **HLSA745      Public Health Practice and Management**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Must be in a major in SPHL-School of Public Health; or permission of instructor.*

*Examines the relationship of practice and management in performing essential public health services on local, state and national levels.*

|      |   |                   |
|------|---|-------------------|
| PLH1 | Joseph Flannery   | Seats (Total: 35) |
|      | Class time/details on ELMs                                    | ONLINE            |
|      | <i>Restricted to students in MPH-PHPP or GC-PPH programs.</i> |                   |

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## **HLSA770      Continuous Quality Improvement in Healthcare**

Credits: 3                      Grading Method: Regular,  
   Audit

*Designed for the health care professional or administrator involved in quality assurance in health care. Course includes historical beginnings, state-of-the-art, voluntary, governmental efforts, and tools to promote quality assurance.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Robert Mekelburg  | Seats (Total: 20) |
|      | M 7:00pm - 9:45pm | SPH 0301          |

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## **HLSA772      Healthcare Leadership and Communications**

Credits: 3                      Grading Method: Regular,  
   Audit

*Health care administrators rely on transformational leadership skills and insights to help their organizations rise to the social financial, public health, and technological challenges of the future. Students will assess and develop their leadership strengths, apply key leadership communication principles, and critically analyze relevant leadership models, exploring their utility in addressing key leadership issues in health care organizations. An underlying theme will be the identification of core values involved in health care delivery, integration of those values in personal and organizational missions, and effective communication to stakeholders.*

|  |                            |                   |            |
|--|----------------------------|-------------------|------------|
| PCH1   | Tracey Manning             | Seats (Total: 25) |            |
|  | Class time/details on ELMs | ONLINE            |            |
|  | Sa 9:00am - 6:00pm         | Location: TBA     | Discussion |
|  | Su 9:00am - 4:00pm         | Location: TBA     | Discussion |
| <i>Restricted to students in MPH-PHPP or GC-PPH programs. Class discussions are scheduled to meet at the College Park Campus as follows: Sep 9, 9-5pm; Sep 10, 9-4pm; Oct 28, 9-5pm; Dec 2, 9-5pm; Dec 3, 9-4pm.</i> |                            |                   |            |

## HLSA775

### Public Health Research

Credits: 3                      Grading Method: Regular

*Prerequisite: EPIB650. Restriction: Must be in a major in SPHL-School of Public Health; or permission of instructor.*

*Provides an interdisciplinary approach to gaining an understanding of and acquiring the skills to conduct public health research. This course covers policy and social issues, theory, and methods of evaluation and participatory research, from simple community based health programs to large-scale interventions. The course emphasizes experimental and quasi-experimental designs to estimate program impact as well as evaluation of program implementation. Case studies drawn from the public health field illustrate various types of evaluations and participatory research initiatives. Lectures, interactive discussions, group projects, individual projects and related assignments.*

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 0101 | Eva DuGoff         | Seats (Total: 25) |  |
|      | Tu 7:00pm - 9:45pm | SPH 0302          |  |

## HLSA780

### Qualitative Methods for Health Services Research

Credits: 3                      Grading Method: Regular,  
Audit

*Qualitative research is a multi-methods approach to the study of social interactions in natural settings. Through triangulation of methods, the researcher attempts to make sense of, or interpret, phenomena in terms of the meanings people bring to them.*

|      |                       |                   |  |
|------|-----------------------|-------------------|--|
| 0101 | Lori Simon-Rusinowitz | Seats (Total: 15) |  |
|      | F 3:00pm - 5:45pm     | SPH 0301          |  |

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**HLSA785****Internship in Public Health**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: Permission of SPHL-Health Services Administration department.*

*Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.*

|      |  |                   |
|------|--|-------------------|
| 0201 | Lori Simon-Rusinowitz                              | Seats (Total: 5)  |
|      | Contact instructor or department for details.      |                   |
| 0301 | Neil Sehgal  | Seats (Total: 5)  |
|      | Contact instructor or department for details.      |                   |
| 0401 | Andrew Fenelon                                     | Seats (Total: 5)  |
|      | Contact instructor or department for details.      |                   |
| 0501 | Michel Boudreaux                                   | Seats (Total: 5)  |
|      | Contact instructor or department for details.      |                   |
| 0601 | Dylan Roby   | Seats (Total: 5)  |
|      | Contact instructor or department for details.      |                   |
| 0701 | Luisa Franzini                                     | Seats (Total: 5)  |
|      | Contact instructor or department for details.      |                   |
| 0801 | Stephen Thomas                                     | Seats (Total: 5)  |
|      | Contact instructor or department for details.      |                   |
| 0901 | Jie Chen   | Seats (Total: 5)  |
|      | Contact instructor or department for details.      |                   |
| PLH1 | Negin Fouladi                                      | Seats (Total: 20) |
|      | Contact instructor or department for details.      |                   |
|      | <i>Restricted to students in MPH-PHPP program.</i> |                   |

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**HLSA786****Capstone Project in Public Health**

(Perm req)                      Grading Method: Regular,  
Credits: 3                      Audit

*Prerequisite: Permission of SPHL-Health Services Administration department.*



*Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.*

**Contact department for information to register for this course.**

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**HLSA798****HLSA Journal Club**

Credits: 1                      Grading Method: Sat-Fail,  
   Audit

*The course will highlight current topics in health services research. Outside speakers will present their research in a few of the classes. For the other classes, graduate students in the HLSA programs will select important and timely articles that they will present to the class for discussion in an informal setting.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Jie Chen             | Seats (Total: 10) |
|      | Th 12:00pm - 12:50pm | Location: TBA     |

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**HLSA799****Master's Thesis Research**

(Perm req)

Credits: 1-6                      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**HLSA898****Pre-Candidacy Research**

(Perm req)

Credits: 1-8                      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**HLSA899****Doctoral Dissertation Research**

(Perm req)

Credits: 1-8                      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**HLSC****Integrated Life Sciences****Fall 2017**

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**HLSC100****Students in the University: Integrated Life Sciences**

Credits: 1                      Grading Method: Regular,  
   Pass-Fail, Audit

*Restriction: Must be in the Honors College Integrated Life Sciences program. Credit only granted for: EDCP1080, HLSC100, HONR100, or UNIV100H.*

*In a small classroom setting, Integrated Life Sciences students learn about academic resources on and off campus.*

|  |                    |                   |
|--|--------------------|-------------------|
| 0101   | Zabrina Anzyl      | Seats (Total: 33) |
|  | Tu 2:00pm - 3:30pm | LPA 0100          |
| <i>For students in the Honors College Integrated Life Sciences Program only.</i> |                    |                   |
| 0102   | Zabrina Anzyl      | Seats (Total: 33) |
|  | W 2:00pm - 3:30pm  | LPA 0100          |
| <i>For students in the Honors College Integrated Life Sciences Program only.</i> |                    |                   |
| 0103   | Zabrina Anzyl      | Seats (Total: 33) |
|  | Th 2:00pm - 3:30pm | LPA 0100          |

## HLSC207 Principles of Biology III Organismal Biology

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: (BSCI160 and BSCI161; or BSCI106); and (BSCI170 and BSCI171; or BSCI105). Or students who have taken courses with comparable content may contact the department. Restriction: Must be in the Honors College Integrated Life Sciences program. Credit only granted for: BSCI207, BSCI279D, or HLSC207.*

*The diversity, structure and function of organisms as understood from the perspective of their common physicochemical principles and unique evolutionary histories.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Todd Cooke          | Seats (Total: 96) |
|      | MWF 9:00am - 9:50am | CCC 1205          |

## HLSC374 Mathematical Modeling in Biology

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH130; or MATH140. And MATH131; or MATH141. Restriction: Must be in a major in UGST-HCOL-Integrated Life Sciences Program. Also offered as: BSCI374. Credit only granted for: BSCI374, BSCI474, or HLSC374.*

*Students will learn empowering mathematical techniques through the understanding of biological models. Models are chosen from a variety of biological disciplines. Mathematical skills that will be developed along the way include: solving non-linear difference equations, eigenvector analysis, and the implementation of these algorithms as computer models.*

|      |                       |                                   |
|------|-----------------------|-----------------------------------|
| 0101 | Jonathan Simon        | Seats (Total: 10)                 |
|      | TuTh 9:30am - 10:45am | CCC 1111                          |
|      | M 1:00pm - 3:50pm     | CCC 1111                      Lab |

**HLTH106 Drug Use and Abuse**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*An interdisciplinary analysis of contemporary drug issues and problems. The course will examine physiological, psychological, social, philosophical, historical, legal and health aspects of drug use and abuse. Special attention will be focused on those general motivations for drug use that attend life on the college campus.*

Also offered as HLTH106H. Credit granted for HLTH106 or HLTH106H. Restricted to Majors or non-majors with less than or equal to 45 credits.

|      |                       |                    |
|------|-----------------------|--------------------|
| 0101 | Neha Trivedi          | Seats (Total: 125) |
|      | TuTh 12:30pm - 1:45pm | SPH 1312           |

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**HLTH106H Drug Use and Abuse**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*An interdisciplinary analysis of contemporary drug issues and problems. The course will examine physiological, psychological, social, philosophical, historical, legal and health aspects of drug use and abuse. Special attention will be focused on those general motivations for drug use that attend life on the college campus.*

Also offered as HLTH106. Credit granted for HLTH106 or HLTH106H.

|      |                       |                    |
|------|-----------------------|--------------------|
| 0101 | Neha Trivedi          | Seats (Total: 125) |
|      | TuTh 12:30pm - 1:45pm | SPH 1312           |

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**HLTH130 Introduction to Public and Community Health**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: SB

General Education: DSHS

*Restriction: Must not have completed HLTH105; and non-majors must have 45 or fewer credits. Credit only granted for: HLTH105 or HLTH130. Formerly: HLTH105.*

*An introduction to the theory and practice of public and community health. The influence of public health professionals on the past, present, and future health status of society through the examination of critical health issues will be described. Programming models, theories and policy development are included.*

Restricted to Majors or non-majors with less than or equal to 45 credits.

|      |                      |                    |
|------|----------------------|--------------------|
| 0101 | Donna Howard         | Seats (Total: 120) |
|      | TuTh 2:00pm - 3:15pm | SPH 1312           |

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## **HLTH140      Personal and Community Health**

Credits: 3                      Grading Method: Regular,  
Audit

*Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of national health problems; constructive methods of promoting health of the individual and the community.*

Also offered as HLTH140H. Credit granted for HLTH140 or HLTH140H.

|      |                       |                    |
|------|-----------------------|--------------------|
| 0101 | James Butler          | Seats (Total: 200) |
|      | TuTh 9:30am - 10:45am | SPH 1312           |

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## **HLTH140H      Personal and Community Health**

(Perm req)                      Grading Method: Regular,  
Credits: 3                      Pass-Fail, Audit

*Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of national health problems; constructive methods of promoting health of the individual and the community.*

Also offered as HLTH140. Credit granted for HLTH140 or HLTH140H.

|      |                       |                    |
|------|-----------------------|--------------------|
| 0101 | James Butler          | Seats (Total: 200) |
|      | TuTh 9:30am - 10:45am | SPH 1312           |

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## **HLTH200      Introduction to Research in Community Health**

(Perm req)                      Grading Method: Regular,  
Credits: 3                      Pass-Fail, Audit

*Prerequisite: Permission of SPHL-Behavioral & Community Health department.*

*An overview of specific components and steps involved in the community health research process. Content includes, foundations of research, sampling, measurement design, and analysis in a community context.*

|      |                     |                    |
|------|---------------------|--------------------|
| 0101 | Azieb Kidanu        | Seats (Total: 120) |
|      | MWF 2:00pm - 2:50pm | ESJ 2204           |

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**HLTH230****Introduction to Health Behavior**

Credits: 3      Grading Method: Regular, Audit      CORE: SB      General Education: DSHS

*Prerequisite: Must have completed or be concurrently enrolled in HLTH130.*

*Psychological, social psychological, and sociological approaches to the following health areas: development of health attitudes and behavior, patient-provider interaction and the organization of health care.*

Restricted to Majors or non-majors with less than or equal to 45 credits.

|      |                      |                    |
|------|----------------------|--------------------|
| 0101 | Craig Fryer          | Seats (Total: 120) |
|      | TuTh 3:30pm - 4:45pm | SPH 1312           |

**HLTH234****Global Health Messages: Understanding Exposure & Impact.**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSHS, DVCC, SCIS

*Using a global perspective, this course teaches students to be critical consumers of current and historical health communication interventions. It also provides students with the skills to develop media interventions that target specific and general populations. Students will discover the array of diverse media messages that influence the health and well-being of individuals and communities.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Dina Borzekowski   | Seats (Total: 40) |
|      | Tu 3:30pm - 6:15pm | HJP 2242          |

**HLTH246****The U.S. Tobacco Epidemic**

Credits: 3      Grading Method: Regular, Audit

*Tobacco is the leading cause of preventable death in the U.S. Course provides an overview of the tobacco epidemic including history, health effects, economic costs, policy, surveillance, and prevention, in addition to additional products like e-cigarettes, vaping and hookahs. .*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Azieb Kidanu        | Seats (Total: 40) |
|      | MWF 9:00am - 9:50am | SPH 1303          |

**HLTH285****Controlling Stress and Tension**

Credits: 3      Grading Method: Regular, Audit      CORE: IE      General Education: DSHS

*Health problems related to stress and tension. Analysis of causative psychosocial stressors and intervening physiological mechanisms. Emphasis on prevention and control of stress through techniques such as biofeedback, meditation and neuromuscular relaxation.*

Also offered as HLTH285H. Credit granted for HLTH285 or HLTH285H. Restricted to Majors or non-majors with less than or equal to 45 credits.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Hannah Allen         | Seats (Total: 75) |
|      | TuTh 8:00am - 9:15am | SPH 1303          |

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**HLTH285H****Controlling Stress and Tension**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: IE      General Education: DSHS

*Health problems related to stress and tension. Analysis of causative psychosocial stressors and intervening physiological mechanisms. Emphasis on prevention and control of stress through techniques such as biofeedback, meditation and neuromuscular relaxation.*

Also offered as HLTH285. Credit granted for HLTH285 or HLTH285H.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Hannah Allen         | Seats (Total: 75) |
|      | TuTh 8:00am - 9:15am | SPH 1303          |

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**HLTH289****Topical Investigations**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Independent study by an individual student or an experimental course in special areas of knowledge not covered by regularly scheduled courses.*

**Contact department for information to register for this course.**

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**HLTH300****Biostatistics for Public Health Practice**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      General Education: FSAR

*Prerequisite: Must have completed or be concurrently enrolled in HLTH200. Restriction: Must be in Community Health program. Also offered as: EPIB300. Credit only granted for: EPIB300 or HLTH300.*

*An examination of biostatistical concepts and procedures as they relate to contemporary issues in public health. Focus on applications, hands-on-experience, and interpretations of statistical findings in public health research.*

Also offered as HLTH300H. Credit granted for HLTH300 or HLTH300H.

|      |                       |                    |
|------|-----------------------|--------------------|
| 0101 | Dina Borzekowski      | Seats (Total: 100) |
|      | TuTh 9:30am - 10:45am | BPS 1243           |

### **HLTH300H      Biostatistics for Public Health Practice**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      General Education: FSAR

*Prerequisite: Must have completed or be concurrently enrolled in HLTH200. Restriction: Must be in Community Health program. Also offered as: EPIB300. Credit only granted for: EPIB300 or HLTH300.*

*An examination of biostatistical concepts and procedures as they relate to contemporary issues in public health. Focus on applications, hands-on-experience, and interpretations of statistical findings in public health research.*

Also offered as HLTH300. Credit granted for HLTH300 or HLTH300H.

|      |                       |                    |
|------|-----------------------|--------------------|
| 0101 | Dina Borzekowski      | Seats (Total: 100) |
|      | TuTh 9:30am - 10:45am | BPS 1243           |

### **HLTH301      Epidemiology for Public Health Practice**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in HLTH300. Restriction: Must be in one of the following programs (Community Health; Public Health Science). Also offered as: EPIB301. Credit only granted for: EPIB301 or HLTH301.*

*An examination of the discipline of epidemiology and its application to public health issues and practices, covering current epidemiological concepts and methods.*

Also offered as HLTH301H. Credit granted for HLTH301 or HLTH301H.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Natalie Slopen             | Seats (Total: 75) |
|      | Th 2:00pm - 3:15pm         | ESJ 2309          |
|      | Class time/details on ELMs | ONLINE            |

### **HLTH301H      Epidemiology for Public Health Practice**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in HLTH300. Restriction: Must be in one of the following programs (Community Health; Public Health Science). Also offered as: EPIB301. Credit only granted for: EPIB301 or HLTH301.*

*An examination of the discipline of epidemiology and its application to public health issues and practices, covering current epidemiological concepts and methods.*

Also offered as HLTH301. Credit granted for HLTH301 or HLTH301H.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Natalie Slopen             | Seats (Total: 75) |
|      | Th 2:00pm - 3:15pm         | ESJ 2309          |
|      | Class time/details on ELMs | ONLINE            |

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**HLTH325**      **Poor in America: Health and Wellbeing**

Credits: 3      Grading Method: Regular,  
Audit

*Recommended: HLTH130; or HLTH140.*

*Using the ecological framework, students will explore the complicated relationship between poverty and health and well-being in the United States.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Barbara Curbow       | Seats (Total: 32) |
|      | TuTh 3:30pm - 4:45pm | SPH 0307          |

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**HLTH325H**      **Poor in America: Health and Wellbeing**

(Perm req)      Credits: 3      Grading Method: Regular,  
Audit

*Recommended: HLTH130; or HLTH140.*

*Using the ecological framework, students will explore the complicated relationship between poverty and health and well-being in the United States.*

|      |                      |                  |
|------|----------------------|------------------|
| 0101 | Barbara Curbow       | Seats (Total: 1) |
|      | TuTh 3:30pm - 4:45pm | SPH 0307         |

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**HLTH366**      **Behavioral and Community Issues in Public Health**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: HLTH130, HLTH230, PSYC100, SOCY100, SOCY105, or ANTH260. Restriction: Must be in Public Health Science program; or permission of SPHL-Behavioral & Community Health department. And must have earned a minimum of 45 credits. Additional information: This course will initially be restricted to Public Health Science (PHSC) majors, but could ultimately be opened to other majors, particularly those in HLTH.*



*The exploration of how social and behavioral science theories and public health concepts and methods can be applied to both the health-illness experience and community interventions.*

|      |   |   |            |
|------|---|---|------------|
| 0101 | Evelyn King-Marshall<br>MW 2:00pm - 2:50pm<br>Tu 9:30am - 10:20am | Seats (Total: 21)<br>HJP 0226<br>JMZ 1215 | Discussion |
| 0102 | Evelyn King-Marshall<br>MW 2:00pm - 2:50pm<br>W 9:00am - 9:50am   | Seats (Total: 21)<br>HJP 0226<br>CHE 2116 | Discussion |
| 0103 | Evelyn King-Marshall<br>MW 2:00pm - 2:50pm<br>Tu 12:30pm - 1:20pm | Seats (Total: 21)<br>HJP 0226<br>CHE 2116 | Discussion |
| 0104 | Evelyn King-Marshall<br>MW 2:00pm - 2:50pm<br>Th 9:30am - 10:20am | Seats (Total: 21)<br>HJP 0226<br>ANS 0402 | Discussion |
| 0105 | Evelyn King-Marshall<br>MW 2:00pm - 2:50pm<br>W 10:00am - 10:50am | Seats (Total: 21)<br>HJP 0226<br>HBK 0105 | Discussion |
| 0106 | Evelyn King-Marshall<br>MW 2:00pm - 2:50pm<br>W 11:00am - 11:50am | Seats (Total: 21)<br>HJP 0226<br>CHE 2136 | Discussion |
| 0107 | Evelyn King-Marshall<br>MW 2:00pm - 2:50pm<br>W 12:00pm - 12:50pm | Seats (Total: 21)<br>HJP 0226<br>PLS 1164 | Discussion |

## HLTH371

### Communicating Safety and Health

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in a major within SPHL-Behavioral & Community Health department.*

*The communication and evaluation of safety and health information. Emphasis on various types of communications and recipient factors which contribute to their success or failure.*

Also offered as HLTH371H. Credit granted for HLTH371 or HLTH371H.

|  |                    |                   |
|--|--------------------|-------------------|
| 0101   | Daisy Le           | Seats (Total: 40) |
|  | Tu 2:00pm - 3:15pm | LEF 2166          |
|  | Th 2:00pm - 3:15pm | SPH 1303          |
| <i>Restriction: Must be a major in Behavioral and Community Health department.</i> |                    |                   |
| 0201   | Daisy Le           | Seats (Total: 54) |
|  | Tu 2:00pm - 3:15pm | LEF 2166          |
|  | Th 2:00pm - 3:15pm | SPH 1303          |
| <i>Restriction: Must be a Public Health Science major.</i>                         |                    |                   |

### HLTH371H

#### Communicating Safety and Health

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in a major within SPHL-Behavioral & Community Health department.*

*The communication and evaluation of safety and health information. Emphasis on various types of communications and recipient factors which contribute to their success or failure.*

|      |                    |                  |
|------|--------------------|------------------|
| 0101 | Daisy Le           | Seats (Total: 5) |
|      | Tu 2:00pm - 3:15pm | LEF 2166         |
|      | Th 2:00pm - 3:15pm | SPH 0307         |

### HLTH377

#### Human Sexuality

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*The biological and developmental aspects of human sexuality; the psychological and emotional aspects of sexual behavior; sexual identity; the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues; the importance of communication, disclosure and intimacy in interpersonal relationships; and research trends in the area of human sexuality.*

Also offered as HLTH377H. Credit granted for HLTH377 or HLTH377H.

|      |                        |                    |
|------|------------------------|--------------------|
| 0101 | Jenna Messman          | Seats (Total: 200) |
|      | TuTh 11:00am - 12:15pm | ARM 0126           |

|  |                            |                    |
|--|----------------------------|--------------------|
| SG91   | Robin Sawyer               | Seats (Total: 120) |
|  | Class time/details on ELMs | ONLINE             |
| <p><i>Restricted to Junior BMGT-Shady Grove students in Accounting and Marketing. This section is taught on-line, but there are three exams that will be held on campus from 3:30-4:15pm on the following dates, Wednesday, September 27, Wednesday November 1, and December 6. These exam dates and teims are non-negotiable. Classroom for exam will be announced.</i></p> |                            |                    |

## HLTH377H

### Human Sexuality

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*The biological and developmental aspects of human sexuality; the psychological and emotional aspects of sexual behavior; sexual identity; the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues; the importance of communication, disclosure and intimacy in interpersonal relationships; and research trends in the area of human sexuality.*

Also offered as HLTH377. Credit granted for HLTH377 or HLTH377H.

|      |                        |                    |
|------|------------------------|--------------------|
| 0101 | Jenna Messman          | Seats (Total: 200) |
|      | TuTh 11:00am - 12:15pm | ARM 0126           |

## HLTH386

### Experiential Learning

(Perm req)

Credits: 3-6

Grading Method: Regular,  
Pass-Fail

*Prerequisite: Permission of SPHL-Behavioral & Community Health department. Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

## HLTH389

### Topical Investigations

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Independent study by an individual student or an experimental course in special areas of knowledge not covered by regularly scheduled courses.*

**Contact department for information to register for this course.**

## HLTH391

### Principles of Community Health I

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP

*Prerequisite: HLTH140, HLTH230, HLTH300, and BSCI202. Corequisite: HLTH301. Restriction: Must be in Community Health program.*

*Broad overview of community health. Health promotion, consumer health, public health, school health, environmental health, preventive medicine, human biology and the health care system are examined. Each area's contribution to community health is discussed.*

Both sections (0101, 0201) shared with HLTH391H.

|      |                              |                   |
|------|------------------------------|-------------------|
| 0201 | James Butler, Sharon Desmond | Seats (Total: 65) |
|      | TuTh 12:30pm - 1:45pm        | CCC 1100          |

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### **HLTH391H Principles of Community Health I**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      General Education: DSSP

*Prerequisite: HLTH140, HLTH230, HLTH300, and BSCI202. Corequisite: HLTH301. Restriction: Must be in Community Health program.*

*Broad overview of community health. Health promotion, consumer health, public health, school health, environmental health, preventive medicine, human biology and the health care system are examined. Each area's contribution to community health is discussed.*

|      |                              |                  |
|------|------------------------------|------------------|
| 0201 | Sharon Desmond, James Butler | Seats (Total: 5) |
|      | TuTh 12:30pm - 1:45pm        | CCC 1100         |

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### **HLTH410 Honors Seminar**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: HLTH200; and must have completed 2 other courses in HLTH. Restriction: Minimum cumulative GPA of 3.5; and must have completed 45 credits before applying.*

*Undergraduate majors with a strong academic record are provided the opportunity to engage in challenging educational experiences related to the social and behavioral aspects of public health. Students will learn the skills and knowledge to develop, propose, defend, and complete an honors thesis or honors project.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Kerry Green        | Seats (Total: 12) |
|      | M 12:00pm - 3:00pm | Location: TBA     |

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### **HLTH420 Effective Strategies for Public Health Practice**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit      General Education: FSOC

*Prerequisite: Minimum grade of C- in HLTH301 and HLTH391. Corequisite: HLTH490.*

*The purpose of this course is to present the interrelationships of curriculum planning, methodology and the selection and use of successful public health presentation strategies. Special problems associated with public health presentations are discussed, and students become familiar with a variety of resources as well as with planning for and implementing demonstration presentations.*

|      |                                      |                               |
|------|--------------------------------------|-------------------------------|
| 0101 | M Reynolds<br>TuTh 9:30am - 10:45am  | Seats (Total: 20)<br>SPH 0303 |
| 0201 | M Reynolds<br>TuTh 11:00am - 12:15pm | Seats (Total: 20)<br>SPH 0301 |
| 0301 | M Reynolds<br>TuTh 12:30pm - 1:45pm  | Seats (Total: 20)<br>SPH 0308 |

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#### **HLTH434 Introduction to Public Health Informatics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in one of the following programs (Community Health; Public Health Science) ; and must have earned a minimum of 60 credits. Credit only granted for: HLTH434 or HLTH498E. Formerly: HLTH498E.*

*Provides an overview of the field of public health informatics and the influence of technology on the public's health and well-being. Emphasizes the application of various technologies and computer/internet applications to support public health research and practice, including strategies to address new and emerging threats.*

|  |  |                               |
|--|--|-------------------------------|
| 0101   | Sandra Saperstein<br>W 4:00pm - 6:45pm | Seats (Total: 20)<br>SPH 0308 |
| <i>Restriction: Must be a major in Behavioral and Community Health department.</i> |  |                               |
| 0201   | Sandra Saperstein<br>W 4:00pm - 6:45pm | Seats (Total: 20)<br>SPH 0308 |
| <i>Restriction: Must be a Public Health Science major.</i>                         |  |                               |

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#### **HLTH460 Minority Health**

Credits: 3                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: HLTH140 or HLTH230; or permission of SPHL-Behavioral & Community Health department. Restriction: Must be in a major within SPHL-Behavioral & Community Health department.*

*Health concerns of U.S. ethnic minority groups and factors placing them at elevated risk for disease and injury. Health education concepts and strategies to reduce disparities between their health status and the health status of the general population.*

Also offered as HLTH460H. Credit granted for HLTH460 or HLTH460H.

|  |                   |                   |
|--|-------------------|-------------------|
| 0101   | Mary Garza        | Seats (Total: 25) |
|  | W 4:00pm - 6:45pm | SPH 1302          |
| <i>Restriction: Must be a major in Behavioral and Community Health department.</i> |                   |                   |
| 0201   | Mary Garza        | Seats (Total: 15) |
|  | W 4:00pm - 6:45pm | SPH 1302          |
| <i>Restriction: Must be a Public Health Science major.</i>                         |                   |                   |

## HLTH460H

### Minority Health

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail

*Prerequisite: HLTH140 or HLTH230; or permission of SPHL-Behavioral & Community Health department. Restriction: Must be in a major within SPHL-Behavioral & Community Health department.*

*Health concerns of U.S. ethnic minority groups and factors placing them at elevated risk for disease and injury. Health education concepts and strategies to reduce disparities between their health status and the health status of the general population.*

Also offered as HLTH460. Credit granted for HLTH460 or HLTH460H.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Mary Garza        | Seats (Total: 25) |
|      | W 4:00pm - 6:45pm | SPH 1302          |
| 0201 | Mary Garza        | Seats (Total: 15) |
|      | W 4:00pm - 6:45pm | SPH 1302          |

## HLTH471

### Women's Health

Credits: 3      Grading Method: Regular, , D  
Audit

*Restriction: Must be in a major within SPHL-Behavioral & Community Health department; or must be in a major within ARHU-Women's Studies department. Also offered as: WMST471. Credit only granted for: HLT471 or WMST471.*

*The historical, physiological, psychological, and sociological mechanisms which contribute to women's health. Topics will include gynecological concerns and reproductive health; nutrition, exercise; violence; substance use/abuse; and the health of special populations.*

Also offered as: HLTH471H. Credited granted for HLTH471, HLTH471H, or WMST471. Recommended for junior and senior women.

|  |                       |                   |
|--|-----------------------|-------------------|
| 0101   | Kirsten Stoebenau     | Seats (Total: 30) |
|  | MWF 10:00am - 10:50am | SPH 1303          |
| <i>Restriction: Must be a major in Behavioral and Community Health department; or must be in a major within ARHU-Women's Studies department.</i> |                       |                   |
| 0201   | Kirsten Stoebenau     | Seats (Total: 40) |
|  | MWF 10:00am - 10:50am | SPH 1303          |
| <i>Restriction: Must be a Public Health Science major.</i>   |                       |                   |

## HLTH471H

### Women's Health

(Perm req)

Credits: 3      Grading Method: Regular, Pass-Fail, Audit, D

*Restriction: Must be in a major within SPHL-Behavioral & Community Health department; or must be in a major within ARHU-Women's Studies department. Also offered as: WMST471. Credit only granted for: HLT471 or WMST471.*

*The historical, physiological, psychological, and sociological mechanisms which contribute to women's health. Topics will include gynecological concerns and reproductive health; nutrition, exercise; violence; substance use/abuse; and the health of special populations.*

Also offered as: HLTH471. Credited granted for HLTH471, HLTH471H, or WMST471.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Kirsten Stoebenau     | Seats (Total: 30) |
|      | MWF 10:00am - 10:50am | SPH 1303          |
| 0201 | Kirsten Stoebenau     | Seats (Total: 40) |
|      | MWF 10:00am - 10:50am | SPH 1303          |

## HLTH489

### Field Laboratory Projects and Workshop

(Perm req)

Credits: 1-6      Grading Method: Regular, Pass-Fail, Audit

*A course designed to meet the needs of persons in the field with respect to workshop and research projects in special areas of knowledge not covered by regularly structured courses.*

**Contact department for information to register for this course.**

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**HLTH490 Principles of Community Health II**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit*Prerequisite: HLTH301 and HLTH391. Corequisite: HLTH420.**Students will be involved in the applied aspects of community health education. They will work with specific local community groups, planning, developing, implementing and evaluating a community health project. Health agencies and community health marketing techniques will be investigated.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Sylvette La Touche-Howard<br>TuTh 11:00am - 12:15pm | Seats (Total: 20)<br>CHE 2145 |
| 0201 | Tracy Zeeger<br>MW 12:30pm - 1:45pm                 | Seats (Total: 20)<br>PLS 1184 |
| 0301 | Sylvette La Touche-Howard<br>TuTh 12:30pm - 1:45pm  | Seats (Total: 20)<br>CHE 2145 |

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**HLTH491 Community Health Internship**

(Perm req)

Credits: 12      Grading Method: Sat-Fail

*Prerequisite: HLTH490. Restriction: Must be in Community Health program.**Integrating theory with practice in a community health setting.*

Class will meet on Wednesdays 1:00-3:15pm (August 30, September 20, November 1, December 6) in CCC 1205.

|      |   |                                    |
|------|---|------------------------------------|
| 0101 | Tracy Kennedy<br>W 1:00pm - 3:00pm<br>Contact instructor or department for details. | Seats (Total: 70)<br>Location: TBA |
|------|---|------------------------------------|

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**HLTH498P Special Topics in Health; Pregnancy Counseling**

Credits: 3      Grading Method: Regular

*Topics of special interest in areas not covered by regularly scheduled courses.***Contact department for information to register for this course.**

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**HLTH606 Foundations of Public Health Education and Policy**

Credits: 3      Grading Method: Regular



*Restriction: Must be in MPH: Community Health Education (Master's) program; or must be in Ph.D.: Public and Community Health (Doctoral) program.*

*Examines foundations and content of two professions, health education and public health, including history, mission, terminology, philosophy, ethical principles and scientific foundations. Emerging and reemerging threats to the public's health will be discussed, as well as societal influences on health and health policy. Also addresses professional competencies and preparation, and the role of professional organizations.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Craig Fryer       | Seats (Total: 25) |
|      | M 4:00pm - 6:45pm | SPH 0303          |

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## **HLTH652      Quantitative Research Methods I in Public health**

Credits: 3                      Grading Method: Regular

*Restriction: Must be in MPH: Community Health Education (Master's) program; or must be in Ph.D.: Public and Community Health (Doctoral) program. Credit only granted for: HLTH652 or HLTH688R. Formerly: HLTH688R.*

*Intermediate statistics and procedures in public health-related research for doctoral students. Focuses on applied statistics rather than theoretical, with emphasis on 1) how to apply statistical models, 2) how to perform the analysis with available software, and 3) how to interpret findings.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Min Wang           | Seats (Total: 10) |
|      | Tu 4:00pm - 6:45pm | SPH 0301          |

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## **HLTH665      Health Behavior I**

Credits: 3                      Grading Method: Regular,  
Audit

*The psychological, social psychological, and sociological theories of health behavior. The relation of health knowledge, beliefs, attitudes, intentions, and behavior to preventive, illness, sick-role, and health utilization behaviors.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Donna Howard      | Seats (Total: 25) |
|      | W 4:00pm - 6:45pm | SPH 0305          |
| 0201 | Sharon Desmond    | Seats (Total: 25) |
|      | W 4:00pm - 6:45pm | JMP 3202          |

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## **HLTH672      Public Health Informatics**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Restriction: Instructor permission is required for students not enrolled in a degree seeking program in the School of Public Health. Also offered as: EPIB672. Credit only granted for: HLTH670 or HLTH671, HLTH672, EPIB 672. Formerly: HLTH670. Additional information: Course hashtag - #umdphi12.*

*A basic overview of Informatics and its application in a public health setting. The major goal is for students to understand the basic tools and building blocks needed to utilize this technology in order to improve their professional productivity*

|      |                                |                   |
|------|--------------------------------|-------------------|
| 0101 | Robert Gold, Sandra Saperstein | Seats (Total: 25) |
|      | Tu 7:00pm - 9:45pm             | SPH 0307          |

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### HLTH688

#### **Special Problems in Health Education**

(Perm req)

Credits: 1-6

Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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### HLTH688L

#### **Special Problems in Health Education; Health Literacy**

Credits: 3

Grading Method: Regular,  
Audit

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Cynthia Baur       | Seats (Total: 25) |
|      | Tu 4:00pm - 6:45pm | SPH 1234A         |

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### HLTH710

#### **Methods and Techniques of Research**

Credits: 3

Grading Method: Regular,  
Audit

For Health majors only.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Kenneth Beck       | Seats (Total: 25) |
|      | Tu 4:00pm - 6:45pm | SPH 1301          |

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### HLTH712

#### **Applied Research Methods in Behavioral and Community Health**

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: HLTH710.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Bradley Boekeloo  | Seats (Total: 10) |
|      | M 4:00pm - 6:45pm | PLS 1162          |

Credits: 3      Grading Method: Regular,  
Audit

*An application of basic research methods, and the evaluation of community health programs. Students will evaluate the effectiveness of a community health intervention.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Amelia Arria       | Seats (Total: 25) |
|      | Th 4:00pm - 6:45pm | SPH 0225          |

Credits: 3      Grading Method: Regular, Audit

*Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Tracy Zeeger                                  | Seats (Total: 15) |
|      | M 7:00pm - 9:00pm                             | SPH 1234A         |
|      | Contact instructor or department for details. |                   |

(Perm req) Credits: 3 Grading Method: Regular, Audit

*Prerequisite: Must have completed all required coursework; and permission of SPHL-Behavioral & Community Health department. Restriction: Must be in a major within SPHL-Behavioral & Community Health department.*

*Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.*

**Contact department for information to register for this course.**

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**HLTH799****Master's Thesis Research**

(Perm req)

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**HLTH898****Pre-Candidacy Research**

(Perm req)

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

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**HLTH899****Doctoral Dissertation Research**

(Perm req)

Credits: 6      Grading Method: Regular

**Contact department for information to register for this course.**

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**HONR****Honors****Fall 2017**

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**HONR100****Honors Colloquium**

Credits: 1      Grading Method: Regular

*Restriction: Permission of University Honors Program.*

*Attendance at various additional activities and events is required. Reading and discussion on the personal and social value of higher education; development of a coherent general education program; exploration of the educational and cultural resources of the campus and metropolitan area; participation in a community service project; and other activities designed to broaden students' conception of what it means to be an educated person.*

HONR100 is restricted to first semester University Honors students only.

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Liza Lebrun, Jamie Welch<br>M 4:00pm - 5:30pm | Seats (Total: 16)<br>KEY 0107 |
| 0102 | Jamie Welch, Liza Lebrun<br>M 4:00pm - 5:30pm | Seats (Total: 16)<br>SQH 1125 |

|      |  |                               |
|------|--|-------------------------------|
| 0103 | Jamie Welch, Liza Lebrun<br>M 4:00pm - 5:30pm  | Seats (Total: 16)<br>WDS 1127 |
| 0104 | Jamie Welch, Liza Lebrun<br>M 4:00pm - 5:30pm  | Seats (Total: 16)<br>KEY 0117 |
| 0105 | Jamie Welch, Liza Lebrun<br>M 4:00pm - 5:30pm  | Seats (Total: 16)<br>HBK 0103 |
| 0106 | Liza Lebrun, Jamie Welch<br>M 4:00pm - 5:30pm  | Seats (Total: 16)<br>HAG 1112 |
| 0107 | Liza Lebrun, Jamie Welch<br>M 4:00pm - 5:30pm  | Seats (Total: 16)<br>BPS 1232 |
| 0108 | Liza Lebrun, Jamie Welch<br>M 4:00pm - 5:30pm  | Seats (Total: 16)<br>LPA 1125 |
| 0109 | Liza Lebrun, Jamie Welch<br>M 4:00pm - 5:30pm  | Seats (Total: 16)<br>HBK 1112 |
| 0110 | Jamie Welch, Liza Lebrun<br>M 4:00pm - 5:30pm  | Seats (Total: 16)<br>EGR 3111 |
| 0201 | Liza Lebrun, Jamie Welch<br>Tu 3:30pm - 4:45pm | Seats (Total: 16)<br>JMZ 0122 |
| 0202 | Liza Lebrun, Jamie Welch<br>Tu 3:30pm - 4:45pm | Seats (Total: 16)<br>EGR 3111 |
| 0203 | Jamie Welch, Liza Lebrun<br>Tu 3:30pm - 4:45pm | Seats (Total: 16)<br>JMZ 0118 |
| 0204 | Liza Lebrun, Jamie Welch<br>Tu 3:30pm - 4:45pm | Seats (Total: 16)<br>KEY 0107 |
| 0205 | Jamie Welch, Liza Lebrun<br>Tu 3:30pm - 4:45pm | Seats (Total: 16)<br>KEY 0124 |
| 0206 | Liza Lebrun, Jamie Welch<br>Tu 3:30pm - 4:45pm | Seats (Total: 16)<br>HAG 1112 |

|      |  |                                    |
|------|--|------------------------------------|
| 0207 | Liza Lebrun, Jamie Welch<br>Tu 3:30pm - 4:45pm | Seats (Total: 16)<br>HBK 0108      |
| 0208 | Jamie Welch, Liza Lebrun<br>Tu 3:30pm - 4:45pm | Seats (Total: 16)<br>PLS 1164      |
| 0209 | Liza Lebrun, Jamie Welch<br>Tu 3:30pm - 4:45pm | Seats (Total: 16)<br>ASY 3217      |
| 0210 | Jamie Welch, Liza Lebrun<br>Tu 3:30pm - 4:45pm | Seats (Total: 16)<br>TYD 1114      |
| 0211 | Jamie Welch, Liza Lebrun<br>Tu 3:30pm - 4:45pm | Seats (Total: 16)<br>ARC 1123      |
| 0212 | Liza Lebrun, Jamie Welch<br>Tu 3:30pm - 4:45pm | Seats (Total: 16)<br>Location: TBA |
| 0213 | Liza Lebrun, Jamie Welch<br>Tu 3:30pm - 4:45pm | Seats (Total: 16)<br>LEF 1221      |
| 0214 | Liza Lebrun, Jamie Welch<br>Tu 3:30pm - 4:45pm | Seats (Total: 16)<br>PLS 1162      |
| 0215 | Jamie Welch, Liza Lebrun<br>Tu 3:30pm - 4:45pm | Seats (Total: 16)<br>JMZ 1226      |
| 0301 | Jamie Welch, Liza Lebrun<br>W 4:00pm - 5:30pm  | Seats (Total: 16)<br>KEY 0107      |
| 0302 | Jamie Welch, Liza Lebrun<br>W 4:00pm - 5:30pm  | Seats (Total: 16)<br>HAG 1125      |
| 0303 | Liza Lebrun, Jamie Welch<br>W 4:00pm - 5:30pm  | Seats (Total: 16)<br>HAG 1112      |

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**HONR208L Honors Seminar; Justice Matters: Law, Literature, and Film**

Credits: 3

Grading Method: Regular

General Education: DSHU,  
SCIS

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Sara Schotland         | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | PLS 1146          |

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**HONR208M Honors Seminar: Utopia and Dystopia: Reality and Relevance**

Credits: 3      Grading Method: Regular      CORE: HO      General Education: DSHU, SCIS

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Sara Schotland     | Seats (Total: 20) |
|      | Tu 2:00pm - 4:30pm | WDS 1127          |

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**HONR208R Leonardo and the Science of Art**

Credits: 3      Grading Method: Regular      CORE: HA      General Education: DSHU, SCIS

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Meredith Gill      | Seats (Total: 20) |
|      | Th 2:00pm - 4:30pm | ASY 4213          |

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**HONR2090 The Science of Sleep and Biological Rhythms**

Credits: 3      Grading Method: Regular      CORE: LS      General Education: DSNS

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | David Yager           | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | TYD 2102          |

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**HONR217 Life, The Multiverse and Everything: Developing an Individual Cosmvision**

Credits: 3      Grading Method: Regular      CORE: HO, D      General Education: DSHU

*In this Honors seminar, students pursue personal cosmologies in light o our contemporary core "Western" scientific world-view and a selection of other ancient and indigenous cosmographies for comparison including those of Mesoamerica, the Inca, the Egyptians or the Chinese.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | John Carlson       | Seats (Total: 20) |
|      | Tu 7:00pm - 9:30pm | LPA 0124          |
| 0201 | John Carlson       | Seats (Total: 20) |
|      | W 7:00pm - 9:30pm  | LPA 0124          |

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**HONR218B Honors Seminar; Making a Difference: The Lives and Words of Leaders Who Shape Our Time**

Credits: 3      Grading Method: Regular      General Education: DSHU, SCIS

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Kevin Klose           | Seats (Total: 20) |
|      | TuTh 9:30am - 10:45am | KNI 1206          |

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**HONR218C      Honors Seminar; Love Me, Hate Me, Use Me, Save Me: Our Conflicting Views of**

Credits: 3      Grading Method: Regular      General Education: DSHS, DSHU, SCIS

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Sarah Balcom          | Seats (Total: 20) |
|      | MWF 10:00am - 10:50am | ANS 0402          |

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**HONR218J      Honors Seminar; Sustainability and Development: From the Individual to the Global**

Credits: 3      Grading Method: Regular      General Education: DSHS, SCIS

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Dorith Grant-Wisdom  | Seats (Total: 20) |
|      | TuTh 2:00pm - 3:15pm | SQH 2120          |

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**HONR218L      Honors Seminar: Language and Mind**

Credits: 3      Grading Method: Regular      CORE: HO      General Education: DSHU

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Juan Uriagereka      | Seats (Total: 20) |
|      | MW 11:00am - 12:15pm | MMH 1304          |

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**HONR218M      Honors Seminar; Elements of Music Composition for Non-Majors**

Credits: 3      Grading Method: Regular      General Education: DSSP

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | William Evans      | Seats (Total: 16) |
|      | Tu 2:00pm - 4:30pm | PAC 1108          |
| 0201 | William Evans      | Seats (Total: 16) |
|      | Tu 5:30pm - 8:00pm | PAC 1108          |

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**HONR218P      Honors Seminar; Immigration: Personal Stories and Policy Changes**

Credits: 3      Grading Method: Regular      General Education: DSHU, DVUP, SCIS



|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Sara Schotland     | Seats (Total: 20) |
|      | Th 2:00pm - 4:30pm | EDU 2101          |

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**HONR218T Honors Seminar; Political Theater: On Stage and in Washington**

|            |                         |                         |
|------------|-------------------------|-------------------------|
| Credits: 3 | Grading Method: Regular | General Education: DSHU |
| 0101       | Nelson Pressley         | Seats (Total: 20)       |
|            | TuTh 9:30am - 10:45am   | ANA 0120                |

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**HONR228J Honors Seminar; The Caribbean Amidst the Global: Interrogating Issues of Pirates and Piracy**

|            |                         |                                     |
|------------|-------------------------|-------------------------------------|
| Credits: 3 | Grading Method: Regular | General Education: DSHS, DVUP, SCIS |
| 0101       | Dorith Grant-Wisdom     | Seats (Total: 20)                   |
|            | W 1:00pm - 3:30pm       | ANA 0120                            |

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**HONR228N Alleviating Poverty in Developing Countries: The Economics and Challenges of Development Programs**

|            |                         |                   |                         |
|------------|-------------------------|-------------------|-------------------------|
| Credits: 3 | Grading Method: Regular | CORE: SB, D       | General Education: DSHS |
| 0101       | Taryn Devereux          | Seats (Total: 20) |                         |
|            | TuTh 2:00pm - 3:15pm    | JMZ 0118          |                         |

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**HONR228T Honors Seminar; Journalism and Peace**

|            |                         |                   |
|------------|-------------------------|-------------------|
| Credits: 3 | Grading Method: Regular |                   |
| 0101       | Colman McCarthy         | Seats (Total: 20) |
|            | M 12:00pm - 2:30pm      | ANA 0120          |

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**HONR229L Honors Seminar; Climate Change: Science, Economics, and Governance**

|            |                         |                               |
|------------|-------------------------|-------------------------------|
| Credits: 3 | Grading Method: Regular | General Education: DSNS, SCIS |
| 0101       | Ross Salawitch          | Seats (Total: 21)             |
|            | MW 5:00pm - 6:15pm      | ATL 3408                      |

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**HONR238C The Future of Energy and Climate Policy**

|            |                         |                   |                         |
|------------|-------------------------|-------------------|-------------------------|
| Credits: 3 | Grading Method: Regular | CORE: IE          | General Education: DSSP |
| 0101       | Tyson Slocum            | Seats (Total: 20) |                         |
|            | W 3:00pm - 5:30pm       | ESJ 1215          |                         |

**HONR238F Honors Seminar: From Animal Thoughts to Animal Feelings: Cognitive and Applied Ethology's Understanding of Animals**

|            |                         |                   |                         |
|------------|-------------------------|-------------------|-------------------------|
| Credits: 3 | Grading Method: Regular | CORE: HO          | General Education: DSNS |
| 0101       | William Stricklin       | Seats (Total: 20) |                         |
|            | TuTh 2:00pm - 3:15pm    | ANS 0402          |                         |

**HONR238L Honors Seminar: Engineering in Ancient Empires**

|            |                         |                   |                         |
|------------|-------------------------|-------------------|-------------------------|
| Credits: 3 | Grading Method: Regular | CORE: SH          | General Education: DSHS |
| 0101       | Denis Sullivan          | Seats (Total: 20) |                         |
|            | TuTh 12:30pm - 1:45pm   | ASY 3207          |                         |

**HONR238P Honors Seminar; Memory, Imagination, Invention: A Creative Writing Workshop**

|            |                         |                         |  |
|------------|-------------------------|-------------------------|--|
| Credits: 3 | Grading Method: Regular | General Education: DSHU |  |
| 0101       | Sarah Pleydell          | Seats (Total: 20)       |  |
|            | Tu 3:30pm - 6:00pm      | ANA 0120                |  |

**HONR238Q Honors Seminar; Nuclear Waste: The Other Consequences of Nuclear Weapons**

|            |                         |                               |  |
|------------|-------------------------|-------------------------------|--|
| Credits: 3 | Grading Method: Regular | General Education: DSNS, SCIS |  |
| 0101       | Richard Calabrese       | Seats (Total: 20)             |  |
|            | TuTh 12:30pm - 1:45pm   | CHE 2118                      |  |

**HONR238R Honors Seminar: Terrorism**

|            |                         |                   |                         |
|------------|-------------------------|-------------------|-------------------------|
| Credits: 3 | Grading Method: Regular | CORE: SH          | General Education: DSHS |
| 0101       | Howard Smead            | Seats (Total: 15) |                         |
|            | M 4:00pm - 6:30pm       | TLF 1103          |                         |

**HONR239B Honors Seminar: New York City and the American Dream**

Credits: 3      Grading Method: Regular      CORE: HL      General Education: DSHU, DVUP

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Ingrid Satelmajer     | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | ANA 0120          |

---

**HONR239D      Honors Seminar; Introduction to Printmaking**

Credits: 3      Grading Method: Regular      General Education: DSSP

Students must pay a \$40.00 studio lab fee.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Matthew McLaughlin | Seats (Total: 12) |
|      | MW 3:30pm - 6:00pm | ASY 1317          |

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**HONR248G      Honors Seminar; The Origins and Ramifications of Sex and Sexes**

Credits: 3      Grading Method: Regular

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Heidi Fisher           | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | BPS 2249          |

---

**HONR248H      Honors Seminar: From Willowbrook to Attica: Delinquency in the Context of Disability**

Credits: 3      Grading Method: Regular      CORE: SB, D      General Education: DSHS, DVUP

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Peter Leone       | Seats (Total: 20) |
|      | M 1:00pm - 3:50pm | HBK 0103          |

---

**HONR248J      Honors Seminar; A Most Human Nation**

Credits: 3      Grading Method: Regular      General Education: DSHU, DVUP, SCIS

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Ingrid Satelmajer    | Seats (Total: 20) |
|      | TuTh 3:30pm - 4:45pm | SQH 2120          |

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**HONR248K      Honors Seminar; Application of Biomed Ethics**

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Glenn Rahmoeller   | Seats (Total: 20) |
|      | Th 2:00pm - 2:50pm | PLS 1113          |

**HONR249E Honors Seminar: Modern and Postmodern Music: Trends, Styles, Issues, and Ideas**

Credits: 3      Grading Method: Regular      CORE: HA      General Education: DSHU

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | James Fry            | Seats (Total: 20) |
|      | TuTh 2:00pm - 3:15pm | PAC 2168          |

**HONR249L The Historical Development of London**

Credits: 3      Grading Method: Regular      CORE: SH

**Contact department for information to register for this course.**

**HONR258E Honors Seminar; Creating the Future through Systemic Thinking and Design**

Credits: 3      Grading Method: Regular      General Education: DSSP

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Gerald Suarez      | Seats (Total: 20) |
|      | MW 3:30pm - 4:45pm | TWS 1320          |

**HONR258O Honors Seminar; The Kinesiological Bases of Skilled Performance**

Credits: 3      Grading Method: Regular

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Seppo Iso-Ahola      | Seats (Total: 20) |
|      | TuTh 2:00pm - 3:15pm | SPH 0303          |

**HONR258T Honors Seminar: Tools of Fiction: Literature and/as Creative Writing**

Credits: 3      Grading Method: Regular      CORE: HL      General Education: DSHU

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Dean Hebert          | Seats (Total: 20) |
|      | TuTh 5:00pm - 6:15pm | LPA 0124          |

**HONR258W Honors Seminar: Exploring Homophobia: Demystifying Lesbian, Gay, Bisexual, and Transgender Issues**

Credits: 3      Grading Method: Regular      , D      General Education: DVUP

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Robyn Zeiger           | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | LPA 0100          |

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**HONR259C Honors Seminar: Fearfully Great Lizards: Topics in Dinosaur Research**

Credits: 3      Grading Method: Regular      CORE: PS      General Education: DSNS

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Thomas Holtz          | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | ESJ B0320         |

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**HONR259G Honors Seminar; Fairness, Inequality, and Democracy**

Credits: 3      Grading Method: Regular      General Education: DSHS, SCIS

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Allan Drazen       | Seats (Total: 20) |
|      | MW 2:00pm - 3:15pm | TYD 1132          |

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**HONR259K Honors Seminar; Global Inequality: Research and Practice**

Credits: 3      Grading Method: Regular      General Education: DSHS, SCIS

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Roberto Korzeniewicz  | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | ASY 2115          |

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**HONR268L Honors Seminar: United States Immigration Issues**

Credits: 3      Grading Method: Regular      CORE: SB, D      General Education: DSHS, DVUP, SCIS

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Dorith Grant-Wisdom    | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | ANA 0120          |

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**HONR268N Honors Seminar; Cracking the Secrets of the Universe Using Computers: Re-discovering the Higgs and Searching for Invisible Matter**

(Perm req)

Credits: 3      Grading Method: Regular      General Education: DSNS, DSSP, SCIS

This course is part of a two-semester Honors research seminar. Part two of this series will be offered in the Spring 2017 Semester. For more information about the course, please visit [physics.umd.edu/courses/Honr268N/](http://physics.umd.edu/courses/Honr268N/). For permission to enroll, please contact Dr. Shabnam Jabeen at [Jabeen@umd.edu](mailto:Jabeen@umd.edu).

|      |                           |                   |
|------|---------------------------|-------------------|
| 0101 | Sarah Eno, Shabnam Jabeen | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm    | PHY 3301          |

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**HONR269T Honors Seminar: Understanding U.S. Foreign Policy toward Afghanistan**

Credits: 3

Grading Method: Regular

CORE: SB, D

General Education: DSHS,  
SCIS

This is a Global Classroom course. There will be approximately 2-4 weeks where this course will meet on an alternative day of the week for videoconferencing meetings with students in Kabul, Afghanistan instead of meeting at its normal weekly time on Thursday nights (the exact dates are TBA).

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Temim Nusraty      | Seats (Total: 10) |
|      | Th 6:30pm - 9:00pm | ANA 0120          |

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**HONR278D Honors Seminar; National Security Dilemmas**

Credits: 3

Grading Method: Regular

General Education: DSHS,  
SCIS

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Daniel Rosenthal  | Seats (Total: 20) |
|      | M 7:00pm - 9:45pm | TWS 1321          |

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**HONR278E Honors Seminar; The Internet, Democracy, and Dictatorship**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

The internet has revolutionized the delivery of information and the networking of citizens worldwide, but has it delivered democracy to new places? This course dissects and analyzes the role of the internet in regime resilience and change in a global perspective. This course demonstrates how the huge range of data and analytical tools available via the online sphere can lead to new understanding of both human and regime behavior.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Sarah Oates        | Seats (Total: 20) |
|      | MW 2:00pm - 3:15pm | KNI 3202          |

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**HONR278G Honors Seminar; Exploring How Foreign Policy Is Developed**

Credits: 3

Grading Method: Regular

General Education: DSHS

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Temim Nusraty     | Seats (Total: 20) |
|      | M 6:30pm - 9:00pm | ANA 0120          |

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**HONR278K Honors Seminar; Evolutionary Processes in Health Medicine**

Credits: 3      Grading Method: Regular      General Education: DSNS, SCIS

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Charles Delwiche   | Seats (Total: 20) |
|      | MW 3:00pm - 4:15pm | MCB 1123          |

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**HONR278V      Honors Seminar; Materiality of Diaspora: Invented Identities and Transformed World Views**

Credits: 3      Grading Method: Regular      General Education: DSHS, DVUP

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Stephen Brighton     | Seats (Total: 20) |
|      | TuTh 3:30pm - 4:45pm | WDS 0104          |

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**HONR279B      Honors Seminar; Social Security in a Changing America**

Credits: 3      Grading Method: Regular      General Education: DSHS

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Scott Szymendera  | Seats (Total: 20) |
|      | M 7:00pm - 9:30pm | JMZ 1117          |

---

**HONR279L      Honors Seminar; The Problem of Prejudice: Overcoming Impediments to Global Peace and Justice**

Credits: 3      Grading Method: Regular      General Education: DSHU, SCIS

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Hoda Mahmoudi      | Seats (Total: 20) |
|      | Tu 3:00pm - 5:30pm | MOR 1101          |

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**HONR279Q      Honors Seminar; The Boy Who Lived, All Grown Up: Assessing the Harry Potter Books and their Adaptations**

Credits: 3      Grading Method: Regular      General Education: DSHU

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Michelle Butler        | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | JMZ 0103          |

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**HONR279R      Honors Seminar; Faith and Values in Public Life**

Credits: 3      Grading Method: Regular      General Education: DSHU

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Darron Monteiro    | Seats (Total: 20) |
|      | Tu 6:00pm - 8:30pm | ANA 0120          |

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**HONR288A Honors Seminar; Power, Representation and Public Policy**

Credits: 3                      Grading Method: Regular

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | David Karol        | Seats (Total: 20) |
|      | MW 4:00pm - 5:15pm | TYD 1114          |

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**HONR288O Honors Seminar: Why Do Things Fail?**

Credits: 3                      Grading Method: Regular                      CORE: PS                      General Education: DSNS, SCIS

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | William Fourney       | Seats (Total: 20) |
|      | TuTh 9:30am - 10:45am | JMP 2217          |

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**HONR289N Honors Seminar; Physical Activity in Health and Human Performance: From Fat to Fit to Olympic Gold**

Credits: 3                      Grading Method: Regular                      General Education: DSNS, SCIS

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Colleen Farmer    | Seats (Total: 20) |
|      | W 2:00pm - 4:30pm | SPH 1303          |

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**HONR289P Honors Seminar; How Do Innovators Think?**

Credits: 3                      Grading Method: Regular                      General Education: DSSP, SCIS

Credit will be granted for only one of the following: BMBT289B or HONR289P. Course will meet on occasional Monday evenings from 6:30-9:15pm for assessments and guest speaker presentations. Specific dates will be available by the start of the semester.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Mark Wellman       | Seats (Total: 20) |
|      | Th 2:00pm - 3:50pm | EDU 3233          |
|      | M 6:30pm - 9:15pm  | Location: TBA     |

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**HONR299C Honors Seminar; Fashion and Costumes Through the Ages**

Credits: 3                      Grading Method: Regular                      General Education: DSHU

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Mikhail Kachman      | Seats (Total: 20) |
|      | TuTh 3:30pm - 4:45pm | PAC 1809          |

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**HONR299F Honors Seminar; Financial Crises: The Foundation of Global Tension**

Credits: 3 Grading Method: Regular

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Behzad Gohari     | Seats (Total: 20) |
|      | W 6:00pm - 8:30pm | TWS 3132          |

**HONR299G Honors Seminar; The American Political Tradition**

Credits: 3 Grading Method: Regular

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Robert Chiles      | Seats (Total: 20) |
|      | Th 6:15pm - 8:45pm | KEY 0120          |

**HONR299H Honors Seminar; Cutting Edge Science: Understanding Current Scientific Issues**

Credits: 3 Grading Method: Regular General Education: DSNS

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Boualem Hammouda     | Seats (Total: 20) |
|      | TuTh 2:00pm - 3:15pm | HBK 1112          |

**HONR299I Honors Seminar; The Practice of Science in an Age of Truthiness**

Credits: 3 Grading Method: Regular General Education: DSNS, SCIS

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Christopher Capp      | Seats (Total: 20) |
|      | TuTh 9:30am - 10:45am | JMZ 1103          |

**HONR348J Advanced Honors Seminar; Contemporary Social Issues**

Credits: 3 Grading Method: Regular General Education: DVCC

*A series of seminars, often interdisciplinary and sometimes team taught The subjects will vary from semester to semester.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Howard Smead      | Seats (Total: 20) |
|      | W 4:00pm - 6:30pm | TLF 1103          |

**HONR349V Honors Colloquium; Dubai: Global Immersion Experience**Credits: 3 Grading Method: Regular,  
Pass-Fail, Audit

*A series of seminars, often interdisciplinary and sometimes team taught. Subjects may vary.*

**Contact department for information to register for this course.**

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**HONR358A Honors Practicum**

Credits: 3                      Grading Method: Sat-Fail

*For student section leaders of HONR100 or HONR200.*

**Contact department for information to register for this course.**

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**HONR358B Honors Practicum**

Credits: 3                      Grading Method: Sat-Fail

*For student section leaders of HONR100 or HONR200.*

**Contact department for information to register for this course.**

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**HONR358C Honors Practicum**

Credits: 3                      Grading Method: Sat-Fail

*For student section leaders of HONR100 or HONR200.*

**Contact department for information to register for this course.**

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**HONR359A Honors Workshop**

Credits: 3                      Grading Method: Sat-Fail

*Honors workshops are small seminar classes which concentrate on skill development.*

|   |             |                   |
|---|-------------|-------------------|
| 0101  | Liza Lebrun | Seats (Total: 15) |
| Contact instructor or department for details. |             |                   |

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**HONR359B Honors Workshop; Alternatives to Violence**

Credits: 3                      Grading Method: Sat-Fail

*Honors workshops are small seminar classes which concentrate on skill development.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Colman McCarthy   | Seats (Total: 20) |
|      | M 2:30pm - 5:00pm | ANA 0120          |

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**HONR359L Honors Workshop; Leading Honors Colloquium**

(Perm req)

Credits: 2                      Grading Method: Sat-Fail

*Honors workshops are small seminar classes which concentrate on skill development.*

**Contact department for information to register for this course.**

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**HONR368A      Advanced Honors Seminar; MGA Legislative Seminar**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: FSPW

*A series of seminars, often interdisciplinary in character and sometimes team-taught. The subjects will vary from semester to semester.*

Also offered as ENGL381. Credit only granted for one of the following: ENGL381 or HONR368A.  
Admission to this course is by application only.

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Thomas Lowderbaugh<br>Tu 3:30pm - 6:00pm | Seats (Total: 15)<br>TWS 0232 |
| 0201 | Thomas Lowderbaugh<br>W 3:30pm - 6:00pm  | Seats (Total: 15)<br>TWS 0232 |

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**HONR378A      Advanced Honors Seminar; U.S. Diplomacy and Policymaking**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*A series of seminars, often interdisciplinary in character and sometimes team-taught. The subjects will vary from semester to semester.*

Also offered as FGSM360. Credit granted for FGSM360 or HONR378A.

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Raffi Balian, William Usher<br>Th 7:30pm - 10:30pm | Seats (Total: 23)<br>PLS 1117 |
|------|--|-------------------------------|

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**HONR378B      Advanced Honors Seminar; Responses to Global Challenges**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*A series of seminars, often interdisciplinary in character and sometimes team-taught. The subjects will vary from semester to semester.*

Also offered as FGSM380. Credit granted for FGSM380 or HONR378B.

|      |                                      |                               |
|------|--------------------------------------|-------------------------------|
| 0101 | Rhoda Margesson<br>W 5:30pm - 8:30pm | Seats (Total: 24)<br>SQH 1107 |
|------|--------------------------------------|-------------------------------|

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**HONR378D      Advanced Honors Seminar; Science Diplomacy: Foreign Policy and Science, Technology, and Innovation**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*A series of seminars, often interdisciplinary in character and sometimes team-taught. The subjects will vary from semester to semester.*

Also offered as FGSM370. Credit granted for FGSM370 or HONR378D.

|      |                                     |                   |
|------|-------------------------------------|-------------------|
| 0101 | Jonathan Margolis, Griffin Thompson | Seats (Total: 24) |
|      | W 5:00pm - 8:00pm                   | SQH 1101          |

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### HONR378E

#### **Advanced Honors Seminar; Public Health Policy**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*A series of seminars, often interdisciplinary in character and sometimes team-taught. The subjects will vary from semester to semester.*

Also offered as FGSM320. Credit granted for FGSM320 or HONR378E.

|      |                                |                   |
|------|--------------------------------|-------------------|
| 0101 | Elaine Anderson, Samuel Kessel | Seats (Total: 23) |
|      | Tu 3:30pm - 6:30pm             | SPH 1302          |

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### HONR378G

#### **Advanced Honors Seminar; Homeland and National Security Policy**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*A series of seminars, often interdisciplinary in character and sometimes team-taught. The subjects will vary from semester to semester.*

Also offered as FGSM330. Credit granted for FGSM330 or HONR378G.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Magdalena Bajll   | Seats (Total: 23) |
|      | M 6:30pm - 9:30pm | PLS 1117          |

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### HONR378J

#### **Advanced Honors Seminar; Energy and Environmental Policy**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*A series of seminars, often interdisciplinary in character and sometimes team-taught. The subjects will vary from semester to semester.*

Also offered as FGSM340. Credit granted for FGSM340 or HONR378J.

|      |                           |                   |
|------|---------------------------|-------------------|
| 0101 | Thomas Carter, Ed Fendley | Seats (Total: 23) |
|      | Tu 3:30pm - 6:30pm        | BPS 1236          |

### **HONR378K      Advanced Honors Seminar; Critical Regions and International Relations**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*A series of seminars, often interdisciplinary in character and sometimes team-taught. The subjects will vary from semester to semester.*

Also offered as FGSM350. Credit granted for FGSM350 or HONR378K. An examination of international relations and foreign policy challenges in critical regions.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Danusia Hubah       | Seats (Total: 24) |
|      | Tu 7:00pm - 10:00pm | PLS 1172          |

### **HONR379      Honors Independent Study**

(Perm req)

Credits: 3      Grading Method: Regular

*Involves reading or research directed by individual faculty, especially in areas outside of the student's major. Open only to University honors students.*

Available only to University honors students.

**Contact department for information to register for this course.**

### **HONR379A      Honors Independent Study**

Credits: 2      Grading Method: Regular

*Involves reading or research directed by individual faculty, especially in areas outside of the student's major. Open only to University honors students.*

**Contact department for information to register for this course.**

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## **IDEA      Academy for Innovation & Entrepreneurship      Fall 2017**

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### **IDEA247      Introduction to Peer Innovation Coaching**

(Perm req)

Credits: 2      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Sophomore standing or higher; and permission of Academy for Innovation and Entrepreneurship. Credit only granted for: IDEA247 or IDEA250. Formerly: IDEA250. Additional information: Participation in the course requires students to submit an application, be interviewed and selected by the Academy for Innovation and Entrepreneurship.*

*Prepares you as an Academy for Innovation and Entrepreneurship Peer Innovation Coach (PIC), where you will be coaching and guiding student teams in the classroom as they experiment with using the design thinking process. You will first have the opportunity to sharpen your own understanding of the design thinking process by applying it to a team design challenge, as well as further explore each step through readings, discussion and reflection. You will then focus on the concept of creativity and learning about the mindsets that are conducive to innovation. Towards the end of the semester, you will focus on the theories and methods related to effective coaching. Throughout the course, you will observe and practice coaching alongside AIE Facilitators as they teach design thinking modules in various courses across campus. As you get more familiar and comfortable with the design thinking curriculum, you will have the opportunity to facilitate parts of classes or activities at some of our workshops and special events, such as departmental/campus-wide design challenges.*

**Contact department for information to register for this course.**

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**IDEA258A      Special Topics in Innovation and Entrepreneurship; Becoming a Design Thinker: Mindsets and Tools for Innovation**

(Perm req)

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics in innovation*

Design thinking provides the tools one needs to become an innovative thinker and doer. Students will grow their creative confidence, learn how to see the world with a designer's mindset, and practice applying design thinking methods to opportunities in the world around them. Learn more and apply to take the course: <http://ter.ps/IDEA258A>

|      |                               |                   |
|------|-------------------------------|-------------------|
| 0101 | Mira Azarm, Meenu Singh       | Seats (Total: 20) |
|      | W 2:00pm - 3:15pm             | Location: TBA     |
| 0102 | Pamela Armstrong, Meenu Singh | Seats (Total: 20) |
|      | Tu 2:00pm - 3:15pm            | Location: TBA     |

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**IDEA369      Peer Innovation Coaching**

(Perm req)

Credits: 2                      Grading Method: Regular,  
Pass-Fail, Audit

*Deepen your role as an Academy for Innovation and Entrepreneurship Peer Innovation Coach (PIC), where you will be coaching and guiding student teams in the classroom as they learn to use innovation methods. There is both an experiential component and a classroom component. The experiential component involves coaching and teaching innovation class sessions throughout campus, and the classroom component involves discussions, reflection assignments and scenario role-playing to help improve your coaching and teaching. While some of the content in the classroom component will be seeded by a set of course readings, much of it will also be seeded by your own experiences in the experiential component.*

**Contact department for information to register for this course.**

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## IMMR      Immigration Studies      Fall 2017

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### IMMR219C      Special Topics in Immigration and Migration Studies; Anthropology and Immigration

Credits: 3      Grading Method: Regular,      General Education: DSHS,  
    Pass-Fail, Audit      DVUP, SCIS

*Thematic exploration of a topic in immigration or migration studies history at an introductory level with emphasis on understanding how the movement of people is relevant in the contemporary world.*

Also offered as ANTH264. Credit granted for ANTH264 or IMMR219C. An examination of the phenomenon of international migration, or immigration. Students develop awareness of how immigration has been framed in the general public and examined by social science disciplines, most prominently anthropology. Examination of case studies of different immigrant groups in distinct geographic contexts will illuminate the varied incorporation experiences of immigrants into U.S. society.

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0101 | Christina Getrich     | Seats (Total: 20) |            |
|      | TuTh 9:30am - 10:20am | ESJ 1215          |            |
|      | F 9:00am - 9:50am     | WDS 1127          | Discussion |
| 0102 | Christina Getrich     | Seats (Total: 20) |            |
|      | TuTh 9:30am - 10:20am | ESJ 1215          |            |
|      | F 10:00am - 10:50am   | WDS 1127          | Discussion |
| 0103 | Christina Getrich     | Seats (Total: 20) |            |
|      | TuTh 9:30am - 10:20am | ESJ 1215          |            |
|      | F 11:00am - 11:50am   | WDS 1127          | Discussion |

### IMMR419J      Special Topics in Immigration and Migration Studies; Globalization and the Diversifying US

Credits: 3      Grading Method: Regular,  
    Pass-Fail, Audit

*Thematic exploration of a topic in immigration or migration studies history with emphasis on understanding how the movement of people is relevant in the contemporary world.*

Also offered as USLT498N and AMST498W. Credit granted for USLT498N, AMST498W, or IMMR419J.  
Prerequisite: At least three credit hours of prior coursework in AMST.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Perla Guerrero        | Seats (Total: 35) |
|      | TuTh 9:30am - 10:45am | SQH 1101          |

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## INAG      Institute of Applied Agriculture      Fall 2017

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### INAG099      Cooperative Education

(Perm req)

Credits: 0      Grading Method: Sat-Fail

Restriction: Co-op is open to sustainable agriculture and agricultural business management students who have completed a minimum of 45 credit hours, have a minimum GPA of 2.0, and have advisor's permission. Cooperative Education, the culminating 22-week field experience in your program, is a collaborative partnership between the Institute of Applied Agriculture and the employer to provide a quality academic and practical training for students. Each student's co-op will vary according to the unique career direction the student wishes to pursue and is intended to accompany seminars and activities previously acquired in the IAA program. Upon completion of the course, students will have established contacts in the industry and substantial documentation to develop a personal portfolio.

|      |   |                   |
|------|---|-------------------|
| 0101 | Meredith Epstein                              | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |

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### INAG100      Introduction to Plant Science

Credits: 4      Grading Method: Regular

*Restriction: Must be a student in the Institute of Applied Agriculture; or permission of AGNR-Institute of Applied Agriculture department. Credit only granted for: INAG100, PLSC100, or PLSC101.*

*A general introduction to plant science designed to provide the students with a working knowledge of the fundamental structures and processes of plants. Content includes plant anatomy, physiology, genetics and environmental relationships.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Kenneth Ingram      | Seats (Total: 15) |
|      | MWF 8:00am - 8:50am | JUL 1123          |
|      | W 9:00am - 10:50am  | JUL 1111      Lab |
| 0102 | Kenneth Ingram      | Seats (Total: 15) |
|      | MWF 8:00am - 8:50am | JUL 1123          |
|      | F 9:00am - 10:50am  | JUL 1111      Lab |

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### INAG102      Agricultural Entrepreneurship



Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Must be in a major in AGNR-College of Agriculture & Natural Resources; or permission of AGNR-Institute of Applied Agriculture department. Additional information: Priority in enrollment will be given to students within the Institute of Applied Agriculture. May not count toward any BMGT major or minor requirement.*

*This course introduces fundamental concepts related to launching a profitable agricultural business. Topics include idea generation, opportunity recognition, conducting feasibility studies, assembling the entrepreneurial team, and financing the new venture, among others. Students will learn knowledge and skills relevant to starting a new agricultural business.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Larisa Cioaca         | Seats (Total: 35) |
|      | MWF 12:00pm - 12:50pm | JUL 1123          |

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### **INAG103                      Agricultural Marketing**

Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Must be in a major in AGNR-College of Agriculture & Natural Resources; or permission of AGNR-Institute of Applied Agriculture department. Additional information: Priority in enrollment will be given to students within the Institute of Applied Agriculture. Course cannot be used to fulfill a requirement for a Robert H. Smith School of Business major or minor.*

*Principles of market demand are used to develop a consumer oriented market strategy for agricultural businesses. Topics include market structures, target marketing, market segmentation, niche marketing and direct marketing. Market concepts unique to agriculture products are also covered.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Christine Bergmark    | Seats (Total: 20) |
|      | MWF 11:00am - 11:50am | JUL 1123          |

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### **INAG106                      Pesticide Use and Safety**

Credits: 2                      Grading Method: Regular,  
Audit

*Additional information: Priority enrollment will be given to students in the IAA program or to students in the College of Agriculture and Natural Resources (AGNR).*

*An overview of pesticide use and safety. Topics include environmental protection, labeling, personal safety, first aid, formulation and chemistry, equipment, disposal, storage, record-keeping and liability. The course prepares students to take the Maryland State test for a private applicator's license.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Ronald Myers               | Seats (Total: 30) |
|      | Class time/details on ELMs | ONLINE            |

**INAG110****Oral Communication**

Credits: 3

Grading Method: Regular,  
Audit

General Education: FSOC

*Credit only granted for: COMM107, COMM200, INAG110, JOUR130, THET285.**A study of how perception, self-concept, verbal and nonverbal communications affect the communication process as it emerges in the work place. The course provides skill training in speech writing, public speaking, group communication, interpersonal communication, listening, and responding.*

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Eric Dunning<br>MWF 8:00am - 8:50am        | Seats (Total: 19)<br>EGR 1110 |
| 0201 | Amy Fisher<br>MWF 8:00am - 8:50am          | Seats (Total: 19)<br>JMP 2202 |
| 0301 | Kristen Willett<br>MWF 9:00am - 9:50am     | Seats (Total: 19)<br>CHE 2136 |
| 0401 | Eric Dunning<br>MWF 9:00am - 9:50am        | Seats (Total: 19)<br>EGR 1110 |
| 0501 | Amy Fisher<br>MWF 9:00am - 9:50am          | Seats (Total: 19)<br>JMP 2202 |
| 0701 | Amy Fisher<br>MWF 10:00am - 10:50am        | Seats (Total: 19)<br>JMP 2202 |
| 0801 | Robert Ballenger<br>MWF 10:00am - 10:50am  | Seats (Total: 19)<br>PLS 1168 |
| 0901 | Anthony Pagnotti<br>MWF 11:00am - 11:50am  | Seats (Total: 19)<br>CCC 1111 |
| 1001 | Edward Priola<br>MWF 11:00am - 11:50am     | Seats (Total: 19)<br>JUL 1105 |
| 1101 | Robert Ballenger<br>MWF 11:00am - 11:50am  | Seats (Total: 19)<br>PLS 1176 |
| 1201 | Michelle Molinaro<br>MWF 12:00pm - 12:50pm | Seats (Total: 19)<br>CHE 2145 |

|      |   |                               |
|------|---|-------------------------------|
| 1301 | Anthony Pagnotti<br>MWF 12:00pm - 12:50pm | Seats (Total: 19)<br>ATL 0201 |
| 1401 | Kristen Willett<br>MWF 12:00pm - 12:50pm  | Seats (Total: 19)<br>EGR 1110 |
| 1501 | Michelle Molinaro<br>MWF 1:00pm - 1:50pm  | Seats (Total: 19)<br>JMP 1202 |
| 1601 | Edward Priola<br>MWF 1:00pm - 1:50pm      | Seats (Total: 19)<br>JUL 1105 |
| 1701 | Kristen Willett<br>MWF 1:00pm - 1:50pm    | Seats (Total: 19)<br>EGR 1110 |
| 1801 | Michelle Molinaro<br>MWF 2:00pm - 2:50pm  | Seats (Total: 19)<br>EGR 1102 |
| 1901 | Robert Ballenger<br>MWF 2:00pm - 2:50pm   | Seats (Total: 19)<br>JMZ 2117 |
| 2001 | Edward Priola<br>MWF 2:00pm - 2:50pm      | Seats (Total: 19)<br>JUL 1105 |
| 2101 | JoEllen Barnhart<br>MW 3:00pm - 4:15pm    | Seats (Total: 19)<br>ATL 2352 |
| 2201 | JoEllen Barnhart<br>M 6:00pm - 8:45pm     | Seats (Total: 19)<br>JUL 1105 |
| 2301 | JoEllen Barnhart<br>W 6:00pm - 8:45pm     | Seats (Total: 19)<br>JUL 1105 |
| 2401 | Amy Fisher<br>TuTh 8:00am - 9:15am        | Seats (Total: 19)<br>PLS 1146 |
| 2501 | Eric Dunning<br>TuTh 8:00am - 9:15am      | Seats (Total: 19)<br>EGR 3106 |
| 2601 | Amy Fisher<br>TuTh 9:30am - 10:45am       | Seats (Total: 19)<br>PLS 1172 |

|      |  |                               |
|------|--|-------------------------------|
| 2701 | Eric Dunning<br>TuTh 9:30am - 10:45am      | Seats (Total: 19)<br>EGR 3106 |
| 2801 | Robert Ballenger<br>TuTh 9:30am - 10:45am  | Seats (Total: 19)<br>HBK 0109 |
| 2901 | Edward Priola<br>TuTh 11:00am - 12:15pm    | Seats (Total: 19)<br>JMZ 3205 |
| 3001 | Anthony Pagnotti<br>TuTh 11:00am - 12:15pm | Seats (Total: 19)<br>SQH 1107 |
| 3101 | Eric Dunning<br>TuTh 11:00am - 12:15pm     | Seats (Total: 19)<br>CHE 2116 |
| 3201 | Michelle Molinaro<br>TuTh 12:30pm - 1:45pm | Seats (Total: 19)<br>JMZ 2122 |
| 3301 | Anthony Pagnotti<br>TuTh 12:30pm - 1:45pm  | Seats (Total: 19)<br>SQH 1111 |
| 3401 | Edward Priola<br>TuTh 12:30pm - 1:45pm     | Seats (Total: 19)<br>SKN 1115 |
| 3501 | Michelle Molinaro<br>TuTh 2:00pm - 3:15pm  | Seats (Total: 19)<br>JMZ 2123 |
| 3601 | Robert Ballenger<br>TuTh 2:00pm - 3:15pm   | Seats (Total: 19)<br>SQH 1111 |
| 3701 | Kristen Willett<br>TuTh 2:00pm - 3:15pm    | Seats (Total: 19)<br>PLS 1176 |
| 3801 | Kristen Willett<br>TuTh 3:30pm - 4:45pm    | Seats (Total: 19)<br>PLS 1176 |
| 3901 | JoEllen Barnhart<br>TuTh 3:30pm - 4:45pm   | Seats (Total: 19)<br>JUL 1105 |
| 4001 | JoEllen Barnhart<br>TuTh 5:00pm - 6:15pm   | Seats (Total: 19)<br>JUL 1105 |

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**INAG110S****Oral Communication**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: FSOC

*Credit only granted for: COMM107, COMM200, INAG110, JOUR130, THET285.*

*A study of how perception, self-concept, verbal and nonverbal communications affect the communication process as it emerges in the work place. The course provides skill training in speech writing, public speaking, group communication, interpersonal communication, listening, and responding.*

Restricted to College Park Scholars.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0601 | Anthony Pagnotti      | Seats (Total: 19) |
|      | MWF 10:00am - 10:50am | CCC 1111          |

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**INAG123****Introduction to Sustainable Agriculture**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*An introductory courses that provides an overview of the principles and practices of sustainable agriculture. Students explore the economic, social, and environmental impacts of agriculture, and relate the principles of sustainability to various agricultural production practices and systems.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Michelle Nelson   | Seats (Total: 25) |
|      | W 3:00pm - 6:00pm | JUL 1123          |

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**INAG199****Special Problems**

Credits: 1-3

Grading Method: Regular

Restricted to students in the AGNR-Institute of Applied Agriculture department. Others by permission of the AGNR-Institute of Applied Agriculture department. A detailed study, including a written report, involving a current issue in an agricultural area that relates to the student's major. The study is conducted under the direction of a faculty member. A maximum of three credit hours of special problems may be applied toward graduation.

|      |   |                   |
|------|---|-------------------|
| 0101 | Geoffrey Rinehart                             | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0201 | Meredith Epstein                              | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0301 | Kenneth Ingram                                | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

|   |               |                   |
|---|---------------|-------------------|
| 0401  | Roy Walls     | Seats (Total: 10) |
| Contact instructor or department for details. |               |                   |
| 0501  | Larisa Cioaca | Seats (Total: 10) |
| Contact instructor or department for details. |               |                   |
| 0601  | Glori Hyman   | Seats (Total: 10) |
| Contact instructor or department for details. |               |                   |

### INAG199C

#### Special Problems; Special Problems in AgriScience

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

Prerequisite: Students must successfully complete an accredited high school agriculture program with a minimum of 4 agriculture courses with a minimum grade of B in each course. Demonstrates the application of scientific principles of agriculture by developing and presenting an oral report on a capstone project relevant to current agriculture issues.

|   |             |                   |
|---|-------------|-------------------|
| 0101  | Glori Hyman | Seats (Total: 10) |
| Contact instructor or department for details. |             |                   |

### INAG199D

#### Special Problems; Agricultural Tractor Operations and Maintenance

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

This class introduces students to the operation and maintenance of agricultural tractors and farm equipment. Students learn to safely and efficiently operate tractors, connect and use implements, perform regular maintenance, and handle materials. This course will be held at the Upper Marlboro Research and Education Center on two consecutive days: Saturday, September 23 and Sunday, September 24 (rain date is tentatively set for October 28 & 29). Students will need to provide their own transportation to and from the facility. This course is open to IAA and PLSC students. Other AGNR students will be granted permission to enroll if seats are available.

|   |                  |                  |
|---|------------------|------------------|
| 0101  | Meredith Epstein | Seats (Total: 6) |
| Contact instructor or department for details. |                  |                  |

### INAG201

#### Agricultural Human Resources Management

Credits: 3                      Grading Method: Regular

*Restriction: Must be in a major in AGNR-College of Agriculture & Natural Resources; or permission of AGNR-Institute of Applied Agriculture department. Additional information: May not count toward any BMGT major or minor requirement.*

*The course introduces students to the study and application of the basic principles of human relations and personnel management. A variety of approaches to recruiting, training, delegating, motivating, and appraising employees are among the topics discussed.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Kenneth Ingram       | Seats (Total: 30) |
|      | TuTh 8:00am - 9:15am | JUL 1123          |

## INAG203

### Agricultural Finance

Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Students at the Institute of Applied Agriculture (IAA); or students at the College of Agriculture and Natural Resources (AGNR); or permission may be granted to other students based on available space. Additional information: Course cannot be used to fulfill a requirement for a Robert H. Smith School of Business major or minor.*

*This course introduces fundamental concepts related to the financial management of an agricultural business. Topics include financial statement analysis, financial planning, the relationship between risk and return, the time value of money, costs associated with borrowed funds, sources of capital, financial markets and intermediaries in agriculture, and personal finance, among others. Students will gain financial knowledge and skills necessary for managing a profitable agricultural business.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Larisa Cioaca         | Seats (Total: 20) |
|      | TuTh 9:30am - 10:45am | JUL 1123          |

## INAG222

### Landscape Design and Implementation

Credits: 4                      Grading Method: Regular,  
Audit

|      |                    |                                   |
|------|--------------------|-----------------------------------|
| 0101 | Kenneth Ingram     | Seats (Total: 20)                 |
|      | Tu 2:00pm - 4:00pm | JUL 1123                          |
|      | Th 2:00pm - 6:00pm | JUL 1123                      Lab |

## INAG226

### Diseases of Ornamentals and Turf

Credits: 3                      Grading Method: Regular,  
Audit

*Recommended: Completion of one of the following is recommended: PLSC 253, PLSC 254, INAG 107, PLSC 305. Additional information: Priority in enrollment will be given to students within the Institute of Applied Agriculture.*

*The course will cover various topics such as plant pathology, disease control practices, and an in depth coverage of the major diseases of ornamentals and turfgrasses in the Mid-Atlantic region. Emphasis will be placed on identification of disease signs and symptoms. Over 50 diseases will be covered during the semester.*

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | Geoffrey Rinehart    | Seats (Total: 25) |     |
|      | Tu 11:00am - 12:50pm | JUL 1111          |     |
|      | Th 11:00am - 12:50pm | JUL 1111          | Lab |

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## **INAG231      Insects of Ornamentals and Turf**

Credits: 3                      Grading Method: Regular,  
Pass-Fail

*Recommended: PLSC253, PLSC254, or PLSC305; or INAG107. Restriction: Must be in a major in AGNR-College of Agriculture & Natural Resources; or permission of AGNR-Institute of Applied Agriculture department. Additional information: Priority enrollment will be given to students in the IAA program.*

*A study of the major insect pests and beneficial insects of ornamental plants and turfgrasses in the Mid-Atlantic region. The student will be responsible for insect identification, life history, and control practices of approximately 100 insects. An insect collection consisting of both insect pests and beneficial insects is required.*

|      |                    |                   |     |
|------|--------------------|-------------------|-----|
| 0101 | Geoffrey Rinehart  | Seats (Total: 18) |     |
|      | W 9:00am - 10:50am | JUL 1123          |     |
|      | M 9:00am - 10:50am | JUL 1111          | Lab |

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## **INAG237      SURVEYING AND GPS APPLICATIONS IN AGRICULTURE**

Credits: 3                      Grading Method: Regular,  
Pass-Fail

*Restriction: Must be in a major in AGNR-College of Agriculture & Natural Resources; or permission of AGNR-College of Agriculture & Natural Resources. Additional information: Course is open to Institute of Applied Agriculture students and permission will be granted to others in the College of Agriculture and Natural Resources based on available seats. IAA student must have completed INAG 101 and INAG 104.*



*The principles of land measurement using conventional surveying techniques to determine distance, elevation change or topography, Global Positioning System (GPS) devices and mapping, utilizing Graphical Information Systems (GIS) will be the focus of this course. Students will use surveying equipment and GPS receivers and other data collection instruments to collect land data features. Data will be mapped and analyzed using software including: Trimble GPS Pathfinder Office, and ESRI ArcGIS software. Students will download and integrate available on-line geo-referenced map images or other data to support the development of their GPS collected data. Spatial analysis software will be used to map problem areas of field agronomic factors.*

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0101 | Roy Walls           | Seats (Total: 10) |     |
|      | W 12:00pm - 1:50pm  | ANS 0504          |     |
|      | F 11:00am - 12:50pm | ANS 0509          | Lab |

## INAG240

### Professional Development

Credits: 1                      Grading Method: Regular

Prerequisite or corequisite: INAG299A. Restricted to students in the AGNR-Institute of Applied Agriculture department. Others by permission of the AGNR-Institute of Applied Agriculture department. Required for all graduating IAA students, this course provides students with the opportunity to reflect on their academic experience and develop skills necessary to successfully transition into their careers. Students will explore careers and professional associations, complete their portfolios, and prepare resumes. Each student will develop and present a professional presentation on his/her internship experience.

|      |                   |                   |  |
|------|-------------------|-------------------|--|
| 0101 | Glori Hyman       | Seats (Total: 25) |  |
|      | M 3:00pm - 4:50pm | JUL 1123          |  |

## INAG242

### Golf Course Design and Construction

Credits: 3                      Grading Method: Regular                      General Education: DSSP

*An appreciation and understanding of the game of golf is obtained through lectures on the history, organizations, and rules of the game. Golf course design theories, great architects and their courses, and construction specifications are discussed. Students will complete two golf course design projects.*

|      |                    |                   |     |
|------|--------------------|-------------------|-----|
| 0101 | Kenneth Ingram     | Seats (Total: 22) |     |
|      | MW 2:00pm - 2:50pm | JUL 1111          |     |
|      | W 3:00pm - 4:50pm  | JUL 1111          | Lab |

## INAG250

### Fundamentals of Agricultural Mechanics

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of AGNR-Institute of Applied Agriculture department. Also offered as: PLSC204, PLSC204. Credit only granted for: ENBE200 or PLSC204 or INAG250. Formerly: ENBE200. Additional information: Priority given to IAA majors and AGNR students whose major requires this course. Permission will be granted to other students on seats available basis.*

*A comprehensive course that teaches the fundamentals of agricultural related mechanics. Lecture and lab exercises will cover the broad range of topics associated with agricultural mechanics including electricity, plumbing, welding processes, and wood and metal working applications. Emphasis will be given to the design and installation of electrical circuits. It will also include project planning and implementation including development of safety protocols for each area of study and introduction of GPS equipment and software for survey data collection.*

|      |                       |                  |
|------|-----------------------|------------------|
| 0101 | Roy Walls             | Seats (Total: 8) |
|      | TuTh 9:30am - 12:20pm | ANS 0504         |
| 0201 | Roy Walls             | Seats (Total: 8) |
|      | TuTh 2:00pm - 4:50pm  | ANS 0504         |

#### **INAG299A**

#### **Supervised Work Experience; Internship I**

Credits: 1                      Grading Method: Sat-Fail

Restricted to students in the AGNR-Institute of Applied Agriculture department. Others by permission of the AGNR-Institute of Applied Agriculture department. On-site internship training in the student's major area of study. Students must complete a minimum of 320 working hours at an approved work site. Students should complete the on-site portion of their internship during the summer between their first and second years. After completing Internship I, students must take Internship II in which they complete a report. The two courses should be completed in consecutive semesters or simultaneously.

**Contact department for information to register for this course.**

#### **INAG299B**

#### **Supervised Work Experience; Internship II**

Credits: 1                      Grading Method: Regular

Restricted to students in the AGNR-Institute of Applied Agriculture department. Others by permission of the AGNR-Institute of Applied Agriculture department. Internship II is a follow up report to Internship I, and the two courses should be completed in consecutive semesters. Students must complete and submit a comprehensive report on the activity and management of the work site used in INAG 299A Internship I.

**Contact department for information to register for this course.**

## **INFM**

## **Information Management**

**Fall 2017**

**INFM600**

**Information Environments**

Credits: 3      Grading Method: Regular, Audit

*Restriction: Permission of INFO-College of Information Studies.*

*An exploration of various models and methodologies used to capture and deploy internal and external information and knowledge in a number of settings; organizational analysis in terms of information creation, flow, sharing, conservation, and application to problem solving; internal and external influences on the management of information and knowledge; various information flows; information management in a variety of settings.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Philip Piety       | Seats (Total: 30) |
|      | M 2:00pm - 4:45pm  | HBK 0123          |
| 0201 | David Loshin       | Seats (Total: 30) |
|      | Tu 6:00pm - 8:45pm | HBK 0109          |

**INF603**

## Information Technology and Organizational Context

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must not have completed LBSC671 or LBSC690; and permission of INFO-College of Information Studies.*

*Application of communication and information technologies to support work processes, including technology-enhanced communication networks, computer-supported collaborative work, decision-support systems, interactive systems, and systems analysis. Acquisition of information systems and their integration into the organization.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Paul Jacobs        | Seats (Total: 30) |
|      | Th 6:00pm - 8:45pm | HBK 0105          |

**INFM605**

## Users and Use Context

Credits: 3      Grading Method: Regular, Audit

*Restriction: Permission of INFO-College of Information Studies.*

*Use of information by individuals. Nature of information. Information behavior and mental models. Characteristics of problems, task analysis, problem solving, and decision making. Methods for determining information behavior and user needs. Information access. Information technology as a tool in information use.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Vera Rhoads        | Seats (Total: 30) |
|      | Tu 6:00pm - 8:45pm | HBK 1108          |

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**INFM612            Management of Information Programs and Services**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Permission of INFO-College of Information Studies.*

*Key aspects of management - focusing on planning, organizing, leading and controlling. The evolution of management, innovative management for the changing world, management styles and leadership, managerial planning, goal setting and decision making. Ethical issues, designing adaptive organizations responding to change, global environment, diversity, and utilizing the appropriate technology to provide effective management of information programs and services.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Ping Wang          | Seats (Total: 30) |
|      | Tu 2:00pm - 4:45pm | HBK 0105          |

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**INFM714            Principles of Competitive Intelligence**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: INFM600; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INFM714 or INFM718W. Formerly: INFM718W.*

*Intelligence process and how to build business advantage by the collection and analysis of the capabilities, vulnerabilities, market positioning and strategic planning of competitors using open source information.*

|      |                            |                   |
|------|----------------------------|-------------------|
| ML01 | Taverekere Srikantaiah     | Seats (Total: 25) |
|      | Class time/details on ELMs | ONLINE            |

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**INFM719            Independent Study**

Credits: 1-3                      Grading Method: Regular

*Intensive individual study under faculty supervision.*

**Contact department for information to register for this course.**

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**INFM736            Information Management Experience**

Credits: 3                      Grading Method: Sat-Fail

*Prerequisite: INFM600; and INFM612; and INFM605; and INFM603. Or permission of instructor. Restriction: Must be in Information Management (Master's) program; and permission of INFO-College of Information Studies.*

*The Information Management Capstone Experience I and II are the culminating experience of the Master of Information Management program, taken in the students final two semesters. The capstone experience provide students with the opportunity to integrate and synthesize the knowledge and skills acquired throughout their MIM course work while working in a real world Information Management project. These courses must be taken in succession.*

|      |                                    |                               |
|------|------------------------------------|-------------------------------|
| 0201 | Kathy Weaver<br>M 2:00pm - 4:45pm  | Seats (Total: 30)<br>SQH 2120 |
| SG01 | Kathy Weaver<br>Tu 6:00pm - 8:45pm | Seats (Total: 36)<br>BLD1 108 |

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### **INFM743      Development of Internet Applications**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: INFM603, LBSC690, LBSC671, or INST733; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.*

*Mark up languages and methods for manipulating marked-up content. Techniques for adding interactivity to web pages. Installing and running servers. Server-side applications. Application programming interfaces for third-party content and tools. Extension development.*

|      |                                       |                               |
|------|---------------------------------------|-------------------------------|
| 0101 | Jennifer Golbeck<br>W 6:00pm - 8:45pm | Seats (Total: 35)<br>HBK 0109 |
|------|---------------------------------------|-------------------------------|

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### **INFM747      Web-Enabled Databases**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: INFM603, LBSC690, or LBSC671; and INST733. Or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INFM747 or INFM718N. Formerly: INFM718N.*

*Basic methods and tools for developing dynamic, database-driven web sites. Acquiring, installing, and running web servers, database servers, and connectability applications. Developing web interfaces and application-layer components.*

|      |   |                             |
|------|---|-----------------------------|
| ML01 | Vedat Diker<br>Class time/details on ELMs | Seats (Total: 25)<br>ONLINE |
|------|---|-----------------------------|

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### **INFM750      From Data to Insights**

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: INFM603 and INST737; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INFM750.*

*Application of data science techniques to unstructured, real-world datasets including social media and geo-referenced sources. Techniques and approaches to extract information relevant for experts and non-experts in areas that include smart cities, public health, and disaster management.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Vanessa Frias-Martinez | Seats (Total: 30) |
|      | Tu 2:00pm - 4:45pm     | HBK 0123          |

**INFM799      Master's Thesis Research**

Credits: 1-6      Grading Method: Regular, Satisfail

*Intensive individual research course under the supervision of a faculty member.*

Prerequisite: INST701; or permission of instructor. Restriction: Must be in Information Management (Master's) program; and permission of instructor; and permission of INFO-College of Information Studies. Repeatable to 9 credits.

**Contact department for information to register for this course.**

**INST      Information Studies      Fall 2017**

**INST126      Introduction to Programming for Information Science**

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: MATH115; or must have math eligibility of MATH130 or higher; or permission of instructor.*  
*Restriction: Must not have completed INST326 or CMSC131; and must be in Information Science program. Credit only granted for: CMSC106, CMSC122, OR INST126.*

*An introduction to computer programming for students with very limited or no previous programming experience. Topics include fundamental programming concepts such as variables, data types, assignments, arrays, conditionals, loops, functions, and I/O operations.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Jonathan Brier        | Seats (Total: 50) |
|      | MWF 2:00pm - 2:50pm   | ATL 1113          |
| 0201 | Bill Kules            | Seats (Total: 60) |
|      | TuTh 9:30am - 10:45am | HJP 2242          |

**INST201**

# Introduction to Information Science

Credits: 3      Grading Method: Regular, Audit

General Education: DSHS

*Credit only granted for: INST201 or INST301. Formerly: INST301.*

*Examining the effects of new information technologies on how we conduct business, interact with friends, and go through our daily lives. Understanding how technical and social factors have influenced the evolution of information society. Evaluating the transformative power of information in education, policy, and entertainment, and the dark side of these changes.*

|      |                       |                    |
|------|-----------------------|--------------------|
| 0101 | Jessica Vitak         | Seats (Total: 125) |
|      | TuTh 12:30pm - 1:45pm | JMZ 0220           |
| 0201 | Elizabeth Bonsignore  | Seats (Total: 107) |
|      | MWF 10:00am - 10:50am | TWS 0310           |

**INST309**

## Independent Study in Information Science

(Perm req)

Credits: 1-3      Grading Method: Regular

*Individual independent study of an aspect of information science, selected according to student interest and need in consultation with a member of the iSchool faculty. Repeatable to 6 credits if content differs.*

|   |                  |                   |
|---|------------------|-------------------|
| 0101  | Richard Marciano | Seats (Total: 15) |
| Contact instructor or department for details. |                  |                   |
| 2401  | Bill Kules       | Seats (Total: 6)  |
| Contact instructor or department for details. |                  |                   |
| 2801  | Eun Kyoung Choe  | Seats (Total: 1)  |
| Contact instructor or department for details. |                  |                   |

**INST309B**

## Independent Study in Information Science; Consumer Health Informatics

(Perm req)

Credits: 3      Grading Method: Regular

*Individual independent study of an aspect of information science, selected according to student interest and need in consultation with a member of the iSchool faculty. Repeatable to 6 credits if content differs.*

|      |                   |                   |
|------|-------------------|-------------------|
| 1501 | Beth St Jean      | Seats (Total: 10) |
|      | M 6:00pm - 8:45pm | HBK 0123          |

**INST311**

## Information Organization

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: Must have completed or be concurrently enrolled in INST201; or INST301. Restriction: Must be in Information Science program; and permission of INFO-College of Information Studies.*

*Examines the theories, concepts, and principles of information, information representation and organization, record structures, description, and classification. Topics to be covered in this course include the methods and strategies to develop systems for storage, organization, and retrieval of information in a variety of organizational and institutional settings, as well as policy, ethical, and social implications of these systems.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Katy Lawley            | Seats (Total: 50) |
|      | TuTh 11:00am - 12:15pm | ATL 2428          |
| 0201 | Katy Lawley            | Seats (Total: 50) |
|      | MWF 2:00pm - 2:50pm    | ATL 2428          |

**INST314      Statistics for Information Science**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: (must have completed or be concurrently enrolled in INST201; or INST301); and MATH115; and STAT100. Restriction: Must be in Information Science program; and permission of INFO-College of Information Studies. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, INST314, JOUR405, PSYC200 or SOCY201. (These courses do not necessarily meet the same major requirements-check with your advisor to see which of these courses will count for your major).*

*Basic concepts in statistics including measure construction, data exploration, hypothesis development, hypothesis testing, pattern identification, and statistical analysis. The course also provides an overview of commonly used data manipulation and analytic tools. Through homework assignments, projects, and in-class activities, you will practice working with these techniques and tools to create information resources that can be used in individual and organizational decision-making and problem-solving.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Brian Butler, Susan Winter | Seats (Total: 35) |
|      | TuTh 3:30pm - 4:45pm       | TYD 2111          |
| 0201 | Susan Winter, Brian Butler | Seats (Total: 60) |
|      | MWF 11:00am - 11:50am      | HJP 2242          |

**INST326      Object-Oriented Programming for Information Science**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit



*Prerequisite: Must have completed or be concurrently enrolled in INST201; or must have completed INST301. And (INST126, CMSC106, or CMSC122). Restriction: Must be in Information Science program; and permission of INFO-College of Information Studies. Credit only granted for: INST326 or CMSC131.*

*An introduction to programming, emphasizing understanding and implementation of applications using object-oriented techniques. Topics to be covered include program design and testing as well as implementation of programs.*

Students who wish to register should contact the College of Information Studies.

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Timothy Richards<br>TuTh 12:30pm - 1:45pm | Seats (Total: 50)<br>PHY 4221 |
| 0201 | Dimitri Wolford<br>MWF 3:00pm - 3:50pm    | Seats (Total: 50)<br>SPH 0308 |

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### **INST327 Database Design and Modeling**

(Perm req)

Credits: 3      Grading Method: Regular, Audit      General Education: DSSP

*Prerequisite: CMSC106, CMSC122, or INST126. And must have completed or be concurrently enrolled in INST201; or must have completed INST301. Restriction: Must be in Information Science program; and permission of INFO-College of Information Studies. Credit only granted for: INST327 or BMGT402.*

*Introduction to databases, the relational model, entity-relationship diagrams, user-oriented database design and normalization, and Structured Query Language (SQL). Through labs, tests, and a project, students develop both theoretical and practical knowledge of relational database systems.*

Students who wish to register should contact the College of Information Studies.

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Vedat Diker<br>TuTh 2:00pm - 3:15pm                      | Seats (Total: 50)<br>EGR 0108 |
| 0201 | Tammie Nelson, Donal Heidenblad<br>MWF 10:00am - 10:50am | Seats (Total: 50)<br>ATL 2428 |

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### **INST335 Teams and Organizations**

(Perm req)

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: PSYC100; and (INST201; or must have completed INST301). Restriction: Must be in Information Science program; and permission of INFO-College of Information Studies.*

*Team development and the principles, methods and types of leadership will be a focus with an emphasis on goal setting, motivation, problem solving, and conflict resolution. This course examines the principles of managing team projects in organizations through planning and execution including estimating costs, managing risks, scheduling, staff and resource allocation, communication, tracking, and control.*

Students who wish to register should contact the College of Information Studies.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Philip Piety         | Seats (Total: 50) |
|      | TuTh 2:00pm - 3:15pm | ARC 1103          |
| 0201 | Ping Wang            | Seats (Total: 50) |
|      | MWF 1:00pm - 1:50pm  | HBK 0115          |

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### **INST346      Technologies Infrastructure and Architecture**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: Must have completed or be concurrently enrolled in INST201; or must have completed INST301. And (INST326 or CMSC131); and INST327. Restriction: Must be in Information Science program; and permission of INFO-College of Information Studies. Credit only granted for: INST346 or BMGT405.*

*Examines the basic concepts of local and wide-area computer networking including an overview of services provided by networks, network topologies and hardware, packet switching, client/server architectures, network protocols, and network servers and applications. The principles and techniques of information organization and architecture for the Web environment will be covered along with such topics as management, security, authentication, and policy issues associated with distributed systems.*

Students who wish to register should contact the College of Information Studies.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Douglas Oard         | Seats (Total: 50) |
|      | TuTh 5:00pm - 6:15pm | JMZ 2206          |
| 0201 | Cody Buntain         | Seats (Total: 50) |
|      | MWF 1:00pm - 1:50pm  | EDU 3315          |

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### **INST352      Information User Needs and Assessment**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: Must have completed or be concurrently enrolled in INST201; or must have completed INST301. And INST311. Restriction: Must be in Information Science program; and permission of INFO-College of Information Studies.*

*Focuses on use of information by individuals, including the theories, concepts, and principles of information, information behavior and mental models. Methods for determining information behavior and user needs, including accessibility issues will be examined and strategies for using information technology to support individual users and their specific needs will be explored.*

Students who wish to register should contact the College of Information Studies.

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Ursula Gorham-Oscilowski<br>TuTh 11:00am - 12:15pm | Seats (Total: 54)<br>PHY 4221 |
| 0201 | Beth St Jean<br>MWF 12:00pm - 12:50pm              | Seats (Total: 50)<br>EDU 1121 |

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**INST354      Decision-Making for Information Science**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: INST314. Restriction: Must be in Information Science program; and permission of INFO-College of Information Studies.*

*Examines the use of information in organizational and individual decision-making, including the roles of information professionals and information systems in informed decision-making through techniques such as data analysis and regression, optimization, sensitivity analysis, decision trees, risk analysis and business simulation models.*

Students who wish to register should contact the College of Information Studies.

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Christopher Antoun<br>TuTh 3:30pm - 4:45pm | Seats (Total: 50)<br>ARC 1101 |
|------|--|-------------------------------|

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**INST362      User-Centered Design**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: PSYC100; and (must have completed or be concurrently enrolled in INST201; or must have completed INST301); and must have completed INST326. Restriction: Must be in Information Science program; and permission of INFO-College of Information Studies.*

*Introduction to human-computer interaction (HCI), with a focus on how HCI connects psychology, information systems, computer science, and human factors. User-centered design and user interface implementation methods discussed include identifying user needs, understanding user behaviors, envisioning interfaces, and utilizing prototyping tools, with an emphasis on incorporating people in the design process from initial field observations to summative usability testing.*

Students who wish to register should contact the College of Information Studies.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Amanda Lazar          | Seats (Total: 50) |
|      | MWF 3:00pm - 3:50pm   | CHM 0115          |
| 0201 | Tamara Clegg          | Seats (Total: 50) |
|      | TuTh 9:30am - 10:45am | SQH 1119          |

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**INST377**
**Dynamic Web Applications**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: INST327. Restriction: Must be in Information Science program; and permission of INFO-College of Information Studies. Credit only granted for: INST377 or BMGT406.*

*An exploration of the basic methods and tools for developing dynamic, database-driven websites, including acquiring, installing, and running web servers, database servers, and connectivity applications.*

Students who wish to register should contact the College of Information Studies.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Myeong Lee            | Seats (Total: 50) |
|      | MWF 11:00am - 11:50am | KEY 0103          |

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**INST462**
**Introduction to Data Visualization**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: INST362. Restriction: Must be in Information Science program; and permission of INFO-College of Information Studies.*

*Exploration of the theories, methods, and techniques of visualization of information, including the effects of human perception, the aesthetics of information design, the mechanics of visual display, and the semiotics of iconography.*

Students who wish to register should contact the College of Information Studies.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Niklas Elmqvist    | Seats (Total: 30) |
|      | MW 4:00pm - 5:15pm | HBK 2119          |

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**INST604**
**Introduction to Archives and Digital Curation**

Credits: 3

Grading Method: Regular,  
Audit

*Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC604 or LBSC605.*

*Overview of the principles, practices, and applications in the archival and digital curation fields.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0201 | Ricardo Punzalan   | Seats (Total: 30) |
|      | Tu 6:00pm - 8:45pm | HBK 0103          |

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## **INST610 Information Ethics**

Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INFM718Q, INST610, or LBSC708I. Formerly: INFM718Q and LBSC708I.*

*Investigation of the diverse range of ethical challenges facing society in the information age. Ethical theories, including non-Western and feminist theories. Application of theories to information ethics issues.*

|      |                            |                   |
|------|----------------------------|-------------------|
| ML01 | Hannah Bergman             | Seats (Total: 25) |
|      | Class time/details on ELMs | ONLINE            |

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## **INST613 Information and Human Rights**

Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST728B or INST613. Formerly: INST728B.*

*An examination of information as a human right, including topics: social, cultural, economic, legal, and political forces shaping information rights; the impact of information rights on information professions, standards, and cultural institutions; and information rights and disadvantaged populations.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Paul Jaeger       | Seats (Total: 30) |
|      | M 6:00pm - 8:45pm | HBK 0105          |

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## **INST615 Legal Issues in Managing Information**

Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC735 OR INST615. Formerly: LBSC735.*

*An exploration of the interrelated issues of the provision of and information literacy about legal information by information organizations and the impacts of legal issues, such as privacy and filtering, on the practice of information organizations that serve the public.*

|      |                            |                   |
|------|----------------------------|-------------------|
| ML01 | Ursula Gorham-Oscilowski   | Seats (Total: 25) |
|      | Class time/details on ELMs | ONLINE            |

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**INST620      Diverse Populations, Inclusion, and Information**

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC620 OR INST620. Formerly: LBSC620.*

*Importance of equality of information access. Social, political, and technological barriers to information. Information needs of diverse and underrepresented populations. Principles of inclusive information services.*

|      |                            |                   |
|------|----------------------------|-------------------|
| ML01 | Renee Hill                 | Seats (Total: 25) |
|      | Class time/details on ELMs | ONLINE            |

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**INST627      Data Analytics for Information Professionals**

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Permission of INFO-College of Information Studies.*

*Skills and knowledge needed to craft datasets, perform quantitative and qualitative analyses, and develop information resources that bridge the gap between raw data and decision makers' needs.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0201 | Hernisa Kacorri   | Seats (Total: 30) |
|      | W 2:00pm - 4:45pm | HBK 0105          |

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**INST630      Introduction to Programming for the Information Professional**

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Permission of INFO-College of Information Studies.*

*An introduction to computer programming intended for students with no previous programming experience. Topics include fundamentals of programming and current trends in user interface implementation that are relevant to information professionals.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Timothy Richards  | Seats (Total: 30) |
|      | M 2:00pm - 4:45pm | HBK 0105          |

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**INST631      Fundamentals of Human-Computer Interaction**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Must have completed or be concurrently enrolled in INST630; or permission of instructor.  
Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST631 or LBSC795. Formerly: LBSC795.*

*Principles of human-human and machine-machine communication as a basis for models of human-computer communication. Issues related in input/ output devices, conceptual models, levels of control, metaphor and personification, adaptability, and intensionality/extensionality.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Eun Kyoung Choe    | Seats (Total: 30) |
|      | Tu 2:00pm - 4:45pm | HBK 2119          |

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**INST643      Curation in Cultural Institutions**

Credits: 3      Grading Method: Regular

*Restriction: Permission of INFO-College of Information Studies.*

*An overview of the principles, practices, and current debates in the management, care and representation of digital artifacts in libraries, archives, and museums.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Adam Kriesberg    | Seats (Total: 30) |
|      | W 2:00pm - 4:45pm | HBK 0103          |

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**INST647      Management of Electronic Records & Information**

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC682 OR INST647. Formerly: LBSC682.*

*Focuses on the life cycle of records and the impact of technology programs for managing electronic records. Explores the roles of records managers in the management of electronic records.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Adam Kriesberg     | Seats (Total: 30) |
|      | Tu 6:00pm - 8:46pm | HBK 0115          |

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(Perm req)

## Facilitating Youth Learning in Formal and Informal Environments

Credits: 3      Grading Method: Regular, Audit

*Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST650 or LBSC640. Formerly: LBSC640.*

*The historical, organizational, and contemporary contexts of formal and informal learning spaces; the principles of teaching, learning, and information literacy that underlie the formal and informal learning spaces; and the leadership role that information professionals can play within their schools, libraries and communities.*

|      |                            |                   |
|------|----------------------------|-------------------|
| CT01 | Renee Hill                 | Seats (Total: 15) |
|      | Class time/details on ELMs | ONLINE            |
| ML01 | Renee Hill                 | Seats (Total: 25) |
|      | Class time/details on ELMs | ONLINE            |

**INST651**

## Promoting Rich Learning with Technology

Credits: 3      Grading Method: Regular, Audit

*Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST651 or LBSC642. Formerly: LBSC642.*

*Exploration of how technology can be used to promote rich learning experiences, with a particular focus on youth populations. Assessment of the how, when, and why of infusing technology into the teaching and learning process.*

Course is restricted to the Youth Experience Certificate Cohort.

|      |   |                   |
|------|---|-------------------|
| CT01 | Linda Braun   | Seats (Total: 25) |
|      | <b>Meets August 28, 2017 - November 19, 2017</b>                        |                   |
|      | Class time/details on ELMs  | ONLINE            |
|      | <i>Course is restricted to the Youth Experience Certificate Cohort.</i> |                   |
| ML01 | Renee Hill  | Seats (Total: 25) |
|      | Class time/details on ELMs  | ONLINE            |

**INST652**

(Perm req)

## Design Thinking and Youth

Credits: 3      Grading Method: Regular, Audit



*Methods of design thinking specifically within and for youth contexts, including user-centered design, understanding user needs, ideation, contextual design, participatory design, iterative prototyping, and visual design. These topics will specifically be studied in the context of designing with and for youth.*

|      |  |                   |
|------|--|-------------------|
| CT01 | Tamara Clegg                                       | Seats (Total: 20) |
|      | <b>Meets November 27, 2017 - February 25, 2018</b> |                   |
|      | Class time/details on ELMs                         | ONLINE            |

|      |                            |                   |
|------|----------------------------|-------------------|
| ML01 | Timothy Summers            | Seats (Total: 25) |
|      | Class time/details on ELMs | ONLINE            |

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Margaret Chmiel   | Seats (Total: 30) |
|      | W 6:00pm - 8:45pm | HBK 0115          |

**INST706****Project Management**

Credits: 3                      Grading Method: Regular,  
    Audit

*Prerequisite: INFM603 and INFM612; or (LBSC631 and LBSC671); or (LBSC635 and LBSC670); or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST706 or INFM706. Formerly: INFM706.*

*Comprehensive overview of project management, focusing on the needs of information resource (IR) projects. Concepts and techniques for planning and execution of projects including developing work breakdown structure, estimating costs, managing risks, scheduling, staff and resource allocation, team building, communication, monitoring, control, and other aspects of successful project completion.*

|      |                            |                   |
|------|----------------------------|-------------------|
| ML01 | Vikas Sahasrabudhe         | Seats (Total: 25) |
|      | Class time/details on ELMs | ONLINE            |

**INST709****Independent Study**

Credits: 1-3                      Grading Method: Regular,  
    Audit

*Intensive individual study, reading, or research in an area of specialized interest under faculty supervision. Registration limited to the advanced student with the approval of the advisor and of the faculty member involved.*

|      |   |                  |
|------|---|------------------|
| 0103 | Brian Butler                                  | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |
| 1301 | Jennifer Golbeck                              | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |
| 2301 | Instructor: TBA                               | Seats (Total: 2) |
|      | Contact instructor or department for details. |                  |
| 2401 | Jessica Vitak                                 | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 4301 | Ursula Gorham-Oscilowski                      | Seats (Total: 2) |
|      | Contact instructor or department for details. |                  |
| 4501 | Tamara Clegg                                  | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |

**INST728L****Special Topics in Information Studies; Advanced Research in Digital Curation**

*Selected topics in information studies.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Richard Marciano  | Seats (Total: 25) |
|      | M 2:00pm - 4:45pm | WDS 1130          |

**INST733**

## Database Design

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: LBSC690, LBSC671, or INFM603; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST733 or LBSC793. Formerly: LBSC793.*

*Principles of user-oriented database design. Requirements analysis. Data modelling. Data integrity and security and multi-user databases. Implementing an information system using a database management system (DBMS).*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Katy Lawley        | Seats (Total: 30) |
|      | Th 2:00pm - 4:45pm | HBK 0109          |

**INST735**

# Computational Linguistics I

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: CMSC421; or students who have taken courses with comparable content may contact the department. Restriction: Permission of INFO-College of Information Studies. Also offered as: CMSC723, LING723. Credit only granted for: CMSC723, LING723, or INST735.*

*Fundamental methods in natural language processing. Topics include: finite-state methods, context-free and extended context-free models of syntax; parsing and semantics interpretation; n-gram and Hidden Markov models, part-of-speech tagging; natural language applications such as machine translation, automatic summarization, and question answering.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Marine Carpuat       | Seats (Total: 45) |
|      | TuTh 2:00pm - 3:15pm | CSI 1121          |

**INST737**

# Introduction to Data Science

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: INST627; and (LBSC690, LBSC671, or INFM603). Or permission of instructor.*

*Restriction: Permission of INFO-College of Information Studies.*

*An exploration of some of the best and most general approaches to get the most information out of data through clustering, classification, and regression techniques.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | A Seyed            | Seats (Total: 30) |
|      | Th 6:00pm - 8:45pm | HBK 0109          |

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## **INST760**

### **Data Visualization**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: INST630; or INFM603; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST760 or INST728V. Formerly: INST728V.*

*Introduction to the science and technology of data visualization--the graphical representation of data to aid understanding--and includes both theoretical foundations as well as practical applications of integrated visualization techniques on real-world problems. Application of these techniques to state-of-the-art problem domains within research, society, and industry.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Sriram Badam       | Seats (Total: 30) |
|      | Th 2:00pm - 4:45pm | HBK 0115          |

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## **INST775**

### **HCIM CAPSTONE PREP**

Credits: 3                      Grading Method: Regular

*Prerequisite: INST631, INST632, and INST717; and must have completed Research Methods; and permission of INFO-College of Information Studies. Or permission of instructor. Restriction: Must be taken in the fall semester of the year in which the student plans to graduate; and permission of INFO-College of Information Studies.*

*Students will define a project, which requires a high level of background research, rigor in execution and evaluation, and documentation. Capstone projects may follow the design, prototyping and evaluation process from end-to-end or may focus on a subset of elements in that process, such as formative study and design.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Bill Kules         | Seats (Total: 20) |
|      | Th 6:00pm - 8:45pm | HBK 0115          |

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## **INST782**

### **Arrangement, Description, and Access for Archives**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: INST604; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC684, LBSC781, LBSC782, or INST782. Formerly: LBSC684, LBSC781, and LBSC782.*

*Introduction to the key concepts and practices involved with arrangement and description of archives, and the techniques appropriate to enable users to access archival information in traditional and nontraditional archival contexts.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Kenneth Heger     | Seats (Total: 30) |
|      | W 6:00pm - 8:45pm | HBK 1108          |

## INST799

### Master's Thesis Research

(Perm req)

Credits: 3      Grading Method: Regular, Sat-Fail

|      |   |                   |
|------|---|-------------------|
| 0501 | Amanda Lazar                                  | Seats (Total: 3)  |
|      | Contact instructor or department for details. |                   |
| 1301 | Jennifer Golbeck                              | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 2201 | Leah Findlater                                | Seats (Total: 1)  |
|      | Contact instructor or department for details. |                   |
| 2301 | Bill Kules                                    | Seats (Total: 5)  |
|      | Contact instructor or department for details. |                   |
| 5001 | Michelle Mazurek                              | Seats (Total: 2)  |
|      | Contact instructor or department for details. |                   |

## INST800

### The Engaged Intellectual: An Introduction to Research and Academic Work

Credits: 3      Grading Method: Regular, Audit

*Restriction: Permission of INFO-College of Information Studies; and restricted to students in Ph.D. in Information Studies (INFS) program.*

*An introduction to the academic life with a particular focus on what it means to undertake research, teaching, and service.*

Restricted to Doctoral Students.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Mega Subramaniam   | Seats (Total: 20) |
|      | Tu 6:00pm - 8:45pm | HBK 4113          |

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**INST809 Individualized Teaching Experience**

(Perm req)

Credits: 3-5      Grading Method: Regular,  
Audit

*Introduction to the techniques and challenges associated with design, delivery, and evaluation of courses offered at the University level. The doctoral student will work one-on-one with a faculty member in the development and co-teaching of a graduate level course.*

**Contact department for information to register for this course.**

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**INST810 Individual Research Experience**

Credits: 3      Grading Method: Regular,  
Audit

*Credit only granted for: INST810 or LBSC810. Formerly: LBSC810.*

*Pre-candidacy individual research experience directed by a faculty member.*

|   |                        |                  |
|---|------------------------|------------------|
| 1501  | Beth St Jean           | Seats (Total: 2) |
| Contact instructor or department for details. |                        |                  |
| 1601  | Vanessa Frias-Martinez | Seats (Total: 2) |
| Contact instructor or department for details. |                        |                  |
| 2401  | Jessica Vitak          | Seats (Total: 5) |
| Contact instructor or department for details. |                        |                  |

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**INST888 Doctoral Seminar**

Credits: 3      Grading Method: Regular,  
Audit

*Advanced seminar on selected topics in information studies.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Ricardo Punzalan  | Seats (Total: 20) |
|      | W 6:00pm - 8:45pm | HBK 0105          |

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**INST898 Pre-Candidacy Research**

(Perm req)

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

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**INST899 Doctoral Dissertation Research**

(Perm req)

Credits: 1-6

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

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**ISRL****Israel Studies****Fall 2017**

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**ISRL249C****Selected Topics in Israel Studies; Contemporary Israel: History and Society**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Topics in the study of Zionism and contemporary Israel from the 1880's to the present. Future offerings may address history, politics, or culture.*

Contact department for information to register for this course.

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**ISRL249D****Selected Topics in Israel Studies; Women in Israel**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Topics in the study of Zionism and contemporary Israel from the 1880's to the present. Future offerings may address history, politics, or culture.*

Contact department for information to register for this course.

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**ISRL249E****Selected Topics in Israel Studies; Writing Israel**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Topics in the study of Zionism and contemporary Israel from the 1880's to the present. Future offerings may address history, politics, or culture.*

Contact department for information to register for this course.

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**ISRL289I****The Israeli/Palestinian Conflict: Fundamental Questions**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: SH

General Education: DSHS,  
SCIS

Why are Palestinians and Israelis unable to resolve their conflict? Will they ever? Using insights and methodologies from a variety of disciplines and contrasting interpretations of history, this course will examine why the Palestinian-Israeli conflict continues, why it has become so central in world politics and how it connects with other global issues.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Paul Scham           | Seats (Total: 80) |
|      | TuTh 3:30pm - 4:45pm | TWS 0310          |

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**ISRL329E****Special Topics in Israel Studies; Israel and the Arab Spring**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics in the study of Zionism and contemporary Israel from the 1880's to the present at an intermediate level. Individual sections may address history, politics, or culture.*

Also offered as GVPT309L. Credit granted for GVPT309L or ISRL329E. This course will explore and analyze the political, diplomatic, and strategic effects of the Arab Spring and its continuing after effects on the State of Israel, using that as a lens to study the contemporary Middle East. It starts with a preliminary study of Israel's foreign policy and then examines the effects of the Arab Spring on its domestic politics: relations with other regional actors, the Palestinians, and the United States; and Israel's strategy towards non-state actors such as Hamas, Hezbollah, and ISIS.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Moran Stern       | Seats (Total: 40) |
|      | W 4:00pm - 6:30pm | TYD 2111          |

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**ISRL329F      Special Topics in Israel Studies; The History of Economic Policy in Palestine/Israel**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics in the study of Zionism and contemporary Israel from the 1880's to the present at an intermediate level. Individual sections may address history, politics, or culture.*

Prerequisite: ECON201. Also offered as ECON398J. Credit granted for ECON398J or ISRL329F. This course examines economic policy in Palestine/Israel from 1999 (under Ottoman rule) through the British Mandate (1922-48) until 1988, when the current neo-liberal economic policy began. It will examine how the governments and society dealt with issues such as growth versus equality (distributive justice); ideology versus praxis; local original policy versus imported policy; and politics versus academic economics - who decides and under what circumstances?

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Yair Barak            | Seats (Total: 40) |
|      | TuTh 9:30am - 10:45am | JMZ 2206          |

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**ISRL329J      Special Topics in Israel Studies; Representing the Holocaust**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics in the study of Zionism and contemporary Israel from the 1880's to the present at an intermediate level. Individual sections may address history, politics, or culture.*

Also offered as JWST346, ENGL332, and CMLT398J. Credit only granted for JWST346, ENGL332, CMLT389J, or ISRL329J.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Sheila Jelen           | Seats (Total: 35) |
|      | TuTh 11:00am - 12:15pm | TWS 0236          |



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**ISRL349A Investigating Topics in Israel Studies; The Psychology of Conflict Resolution**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics in the study of Zionism and contemporary Israel from the 1880's to the present at an intermediate level. Individual sections may address history, politics, or culture.*

**Contact department for information to register for this course.**

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**ISRL349B Investigating Topics in Israel Studies; Arab-Israeli Relations**

Credits: 3-6                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics in the study of Zionism and contemporary Israel from the 1880's to the present at an intermediate level. Individual sections may address history, politics, or culture.*

**Contact department for information to register for this course.**

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**ISRL349Z Investigating Topics in Israel Studies; Beyond Black and White: Jews and Representations of Race**

Credits: 3                      Grading Method: Regular,                      General Education: DSHU,  
Pass-Fail, Audit                      DVUP

*Topics in the study of Zionism and contemporary Israel from the 1880's to the present at an intermediate level. Individual sections may address history, politics, or culture.*

Also offered as JWST319M. Credit granted for ISRL349Z or JWST319M. An examination of Western constructions and representations of 'race' from medieval times to the modern rise of Zionism and the founding of Israel, with a focus on how Jews utilized the racial discourses of each period to negotiate their position within Western history.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Shirelle Doughty           | Seats (Total: 40) |
|      | Class time/details on ELMs | ONLINE            |

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**ISRL369C Special Topics in Study Abroad; Israeli Society in Israeli Cinema**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ISRL448M Seminar in Israel Studies; The Israeli War Discourse**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Intensive study of an Israel Studies topic. Expected work product is a substantial research or analysis paper or appropriate equivalent.*

Recommended, (NOT required): Some knowledge of Israel or a previous Israel Studies course. Israel has survived and even flourished since its founding in 1948, despite being engaged in virtually continuous warfare. This online course focuses on the unique cultural and linguistic mechanisms that Israeli society has developed to transform war into a "normal" part of life. We will examine the connections between this 'war-normalizing discourse', Israeli culture and society, and foreign policy.

|      |                                     |                   |
|------|-------------------------------------|-------------------|
| 0101 | Dalia Gavariely Nuri, Elie Friedman | Seats (Total: 35) |
|      | Class time/details on ELMs          | ONLINE            |

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**ISRL448T Seminar in Israel Studies; 1967 and its Aftermath: How they Changed Israel and the Mideast**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Intensive study of an Israel Studies topic. Expected work product is a substantial research or analysis paper or appropriate equivalent.*

Also offered as JWST429D and HIST428X. Credit granted for ISRL448T, JWST429D, or HIST428X. The Six Day/June War of 1967 helped set into motion a series of events that reverberate today. This seminar will examine the results of the war, focusing primarily on the Israeli Occupation of the West Bank, the ensuing radical transformation of Israeli policy towards Palestinians, and its impact on their daily lives. It will also examine Palestinian resistance to the Occupation, including the use of terror against civilians.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Shay Hazkani       | Seats (Total: 30) |
|      | MW 2:00pm - 3:15pm | HJP 4120          |

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**ITAL Italian Fall 2017**

**ITAL103 Intensive Elementary Italian**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to fluent/native speakers of Italian. Credit only granted for: ITAL103 or ITAL121.*

*Covers speaking, reading, writing, listening, and culture of Italian-speaking world.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Federica Deigan            | Seats (Total: 25) |
|      | TuTh 11:00am - 12:15pm     | JMZ 3120          |
|      | Class time/details on ELMs | ONLINE            |

|      |                            |                   |
|------|----------------------------|-------------------|
| 0201 | Federica Deigan            | Seats (Total: 25) |
|      | Tu 12:30pm - 1:45pm        | JMZ 0120          |
|      | Th 12:30pm - 1:45pm        | JMZ 3120          |
|      | Class time/details on ELMs | ONLINE            |

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**ITAL121**
**Accelerated Italian I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Credit only granted for: ITAL103 or ITAL121.*

*An intensive beginning course in Italian language skills: guided practice in reading, writing, understanding and conversation, to enable the student to move more quickly to advanced courses. Restricted to students already having a good background in at least one other foreign language. When taken with ITAL122, may be used to satisfy language requirement.*

Also offered as ITAL 121H.

**Contact department for information to register for this course.**

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**ITAL121H**
**Accelerated Italian I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Credit only granted for: ITAL103 or ITAL121.*

*An intensive beginning course in Italian language skills: guided practice in reading, writing, understanding and conversation, to enable the student to move more quickly to advanced courses. Restricted to students already having a good background in at least one other foreign language. When taken with ITAL122, may be used to satisfy language requirement.*

For general honors students only. Also offered as ITAL 121.

**Contact department for information to register for this course.**

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**ITAL122**
**Accelerated Italian II**

Credits: 3                      Grading Method: Regular,                      CORE: HO  
Pass-Fail, Audit

*Prerequisite: ITAL121; or must have appropriate Foreign Language Placement Test (FLPT) score. Credit only granted for: ITAL203 or ITAL122.*

*Continuation of ITAL121. Completion of accelerated cycle. May be used to satisfy ARHU Global Engagement requirement.*

**Contact department for information to register for this course.**

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**ITAL169C**

**Special Topics in Study Abroad I; Italian Conversation**

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ITAL169E**

**Special Topics in Study Abroad I; Elementary Italian I**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ITAL169F**

**Special Topics in Study Abroad I; The Florence Experience I: Beginning Italian I**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ITAL169R**

**Special Topics in Study Abroad I; Introduction to Italian Language and Culture**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ITAL203**

**Intensive Intermediate Italian**

Credits: 4                      Grading Method: Regular,                      CORE: HO  
Pass-Fail, Audit

*Prerequisite: ITAL103; or must have appropriate Foreign Language Placement Test (FLPT) score.  
Restriction: Must not have completed ITAL122; and must not be a fluent/native speaker of Italian.  
Credit only granted for: ITAL203 or ITAL122.*

*Covers speaking, reading, writing, listening, and culture of Italian-speaking world.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Federica Deigan            | Seats (Total: 25) |
|      | Th 2:00pm - 3:15pm         | JMZ 0205          |
|      | Tu 2:00pm - 3:15pm         | JMZ 0208          |
|      | Class time/details on ELMs | ONLINE            |

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**ITAL204      Review Grammar and Composition**

Credits: 3      Grading Method: Regular,      CORE: HO  
                          Pass-Fail, Audit

*Prerequisite: ITAL203 or ITAL122; or must have appropriate Foreign Language Placement Test (FLPT) score.*

*An intensive review of major aspects of contemporary grammatical usage; training in comprehension; an introduction to guided composition.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Joseph Falvo          | Seats (Total: 20) |
|      | MWF 11:00am - 11:50am | JMZ 1226          |

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**ITAL207      Reading and Writing in Italian**

Credits: 3      Grading Method: Regular,      General Education: DSHU  
                          Pass-Fail, Audit

*Prerequisite: ITAL204; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a fluent/native speaker of Italian.*

*Culture-based, process approach to reading and writing in Italian; selected grammatical topics.*

**Contact department for information to register for this course.**

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**ITAL211      Intermediate Conversation**

Credits: 3      Grading Method: Regular,      CORE: HO  
                          Pass-Fail, Audit

*Prerequisite: ITAL203; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not be a fluent/native speaker of Italian.*

*Practice in spoken Italian based on reading and listening exercises in variety of genres. Written assignments and exams.*

**Contact department for information to register for this course.**

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**ITAL269I      Special Topics in Study Abroad II; Intensive Intermediate Italian I**

Credits: 3      Grading Method: Regular,  
                          Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ITAL269R      Special Topics in Study Abroad II; Elementary Italian I**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ITAL301      Italian Composition**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ITAL207; or students who have taken courses with comparable content may contact the department.*

*Techniques of composition; grammatical analysis; various genres; vocabulary.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Stefania Amodeo       | Seats (Total: 20) |
|      | MWF 11:00am - 11:50am | JMZ 1224          |

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**ITAL306      Commercial Italian I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ITAL301; or permission of ARHU-School of Languages, Literatures, and Cultures department.*

*An introduction to Italian Business language and culture. Special emphasis on communicative strategies used in business transactions and applications. Reading and discussion of relevant articles relating to business world from on-line newspapers and magazines.*

**Contact department for information to register for this course.**

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**ITAL369W      Special Topics in Study Abroad III; Composition and Style**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ITAL386      Experiential Learning**

(Perm req)

Credits: 3-6

Grading Method: Regular,  
Pass-Fail

*Prerequisite: Must have a Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

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**ITAL399**

**Directed Study in Italian**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Intended for undergraduates who wish to work on an individual basis with a professor of their choice.*

**Contact department for information to register for this course.**

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**ITAL411**

**Monsters and Demons: the Faces of Evil in Dante's Inferno**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSHU

*An interdisciplinary study of Dante's Inferno as represented in the Divine Comedy. Special emphasis on Dante's own portrayal of monsters and demons and their roles in the poet's eschatological vision of Hell. Taught in English*

**Contact department for information to register for this course.**

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**ITAL431**

**Italian Civilization in Translation**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: ITAL431 or ITAL432.*

*Political, social, intellectual, literary and artistic forces shaping contemporary Italy from the late Middle Ages to the present. Taught in English.*

**Contact department for information to register for this course.**

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**ITAL471**

**Italian Cinema: A Cultural Approach in Translation**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: ITAL471 or ITAL472.*

*The culture of Italy through the medium of film from the silent days up to the present. Taught in English.*

**Contact department for information to register for this course.**

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**ITAL478R**

**Colloquium in Italian; Italian Renaissance**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Colloquium section taught in Italian to accompany 400-level Italian courses taught in English.  
Discussion, presentations, readings.*

This colloquium correlates with ITAL 499R.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Joseph Falvo      | Seats (Total: 10) |
|      | W 1:00pm - 1:50pm | JMZ 1122          |

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**ITAL499                      Special Topics in Italian Studies**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**ITAL499R                      Special Topics in Italian Studies; The Italian Renaissance: Dark Shadows in the Age of Splendor and Cultural Rebirth**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

In this course we will examine the dark aspects of the Italian Renaissance, focusing on artistic and literary patronage as a strategy self-promotion, and as a mean to achieve and preserve power. From the Northern court of Milan to the Southern Kingdom of Naples, this course is a revealing journey through the Italian peninsula, a land that gave birth to the great genius of the Italian Renaissance in one of the most troubled periods of Italian history, marked by political conflict, bloody rivalries, family betrayals, and wars. What hides beneath the image of some of these benevolent and enlightened patrons of learning, often praised as ideal rulers by artists and writers of the Renaissance, are ambitious and crafty politicians, who sought their own interests and goals in their ruthless pursuit of power.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Joseph Falvo       | Seats (Total: 25) |
|      | MW 2:00pm - 3:15pm | JMZ 1215          |

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**ITAL499T                      Special Topics in Italian Studies; Italian Cities: History through Urban Form**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**ITAL499V                      Special Topics in Italian Studies; Italian Comedy on Stage and Screen**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**



**JAPN101****Elementary Japanese I**

Credits: 6                      Grading Method: Regular

*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score.*

*Introduction to basic patterns of contemporary spoken Japanese and to the two phonetic syllabaries (Katakana and Hiragana).*

This course has been put on a timed release system. Seats will be opened gradually by the registrar's office, to a total of 15 seats per section.

|      |                                   |                   |
|------|-----------------------------------|-------------------|
| 0101 | Etsuko Yamakita, Robert Del Greco | Seats (Total: 15) |
|      | MWF 9:00am - 9:50am               | JMZ 2117          |
|      | TuTh 9:30am - 10:45am             | JMZ 3118          |
| 0201 | Robert Del Greco, Etsuko Yamakita | Seats (Total: 15) |
|      | MWF 10:00am - 10:50am             | JMZ 3120          |
|      | TuTh 11:00am - 12:15pm            | JMZ 3122          |
| 0301 | Etsuko Yamakita, Robert Del Greco | Seats (Total: 15) |
|      | MWF 2:00pm - 2:50pm               | JMZ 3203          |
|      | TuTh 2:00pm - 3:15pm              | JMZ 1226          |

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**JAPN106****Introductory Japanese III**

Credits: 3                      Grading Method: Regular

*Prerequisite: JAPN101; or students who have taken courses with comparable content may contact the department. Restriction: Must not have completed JAPN102. Credit only granted for: JAPN102 or JAPN106.*

*Introduction to the basic spoken patterns of contemporary Japanese, and to limited reading and writing in kana/kanji. Intended for incoming freshmen and transfer students with some previous knowledge of Japanese.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Etsuko Yamakita       | Seats (Total: 15) |
|      | MWF 11:00am - 11:50am | JMZ 2117          |

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**JAPN201****Intermediate Japanese I**

Credits: 6                      Grading Method: Regular                      CORE: HO

*Prerequisite: Minimum grade of C- in JAPN102; or or appropriate Foreign Language Placement Test (FLPT) score.*

*Contemporary spoken and written Japanese.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Kumiko Akikawa        | Seats (Total: 15) |
|      | MWF 9:00am - 10:50am  | JMZ 0120          |
| 0201 | Kumiko Akikawa        | Seats (Total: 15) |
|      | MWF 11:00am - 12:50pm | JMZ 0120          |

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### **JAPN221      Radical Transformations in Japanese Culture**

Credits: 3

Grading Method: Regular

General Education: DSHU

*Since the early modern period, Japanese cultural forms have reflected the innate instability of contemporary social structures. Focusing on Noh drama, Matsuo Basho's haiku travelogue Oku no hosomichi, popular fiction by Ihara Saikaku, the movement for vernacular literature in the late 19th century, the rise and fall of Marxists and feminists in early 20th century Japan, a variety of perspectives on WWII and its legacy, as well as Japanese pop culture, we will consider the way cultural works developed as part of Japan's radical transformations in the last four centuries. A major film component increases students' direct exposure to the work of Japan's cultural producers, and students' suggestions and interests will help shape the final unit of the course about Japan today. Taught in English, and all readings are in English translation.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Robert Del Greco   | Seats (Total: 30) |
|      | MW 2:00pm - 3:15pm | CHM 1228          |

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### **JAPN301      Advanced Japanese I**

Credits: 6

Grading Method: Regular

*Prerequisite: Minimum grade of C- in JAPN202; or permission of instructor.*

*Advanced conversation, oral comprehension, and selected readings.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Kazuo Yaginuma        | Seats (Total: 15) |
|      | MWF 11:00am - 12:50pm | JMZ 1215          |
| 0201 | Kazuo Yaginuma        | Seats (Total: 15) |
|      | MWF 1:00pm - 2:50pm   | JMZ 3122          |

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### **JAPN311      Traditional Japanese Language and Culture**

Credits: 3

Grading Method: Regular

*Prerequisite: Minimum grade of C- in JAPN202; or permission of instructor.*

*Introduction to classical Japanese language (kobun) through representative texts and genres from the literary traditions of the Heian period (794-1185) to the Early Modern period (1600-1868). Taught in Japanese and English.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | John Kern          | Seats (Total: 15) |
|      | MW 2:00pm - 3:15pm | JMZ 3205          |

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**JAPN335****Troubling Gender and Sex in Japan**

Credits: 3                      Grading Method: Regular

*There are a number of overly stereotypical gendered and sexualized images of Japanese in the United States. Consider, for instance, the continued dominance of the icons of Japan, the Samurai and Geisha. An examination of the wide variety of representations of femininity and masculinity and gender and sexual identities in Japan, however, offers us a fruitful opportunity to expand and challenge even our most inclusive ideas of gender and sexuality. The title of this course derives from a feminist, theoretical work by Judith Butler, Gender Trouble. Putting a critical lens to fiction, film, drama, art, and legal documents, we will trouble (complicate and deconstruct) received notions of gender and sexuality in a number of fundamental ways.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Michele Mason          | Seats (Total: 30) |
|      | TuTh 11:00am - 12:15pm | EDU 1121          |

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**JAPN386****Experiential Learning**

(Perm req)

Credits: 3-6                      Grading Method: Regular

*Prerequisite: Must have a Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

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**JAPN407****The Art of Translation**

Credits: 3                      Grading Method: Regular

*Prerequisite: Minimum grade of C- in JAPN401; or students who have taken courses with comparable content may contact the department.*

*Theory and practice of translation. Variety of genres. Japanese to English.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Michele Mason        | Seats (Total: 15) |
|      | TuTh 2:00pm - 3:15pm | ASY 3203          |

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**JAPN422****Introductory Japanese Linguistics**

Credits: 3      Grading Method: Regular

*An investigation of Japanese sound patterns and syntax through a comparison with English.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Samuel Ramsey      | Seats (Total: 20) |
|      | MW 2:00pm - 3:15pm | JMZ 2122          |

**JAPN428B****Seminar in Japanese Discourse and Conversation Analysis; Japanese Business Language**

Credits: 3      Grading Method: Regular

*Presentation and discussion of classic and current readings in English and Japanese on theories and actual practice of discourse and conversation analysis. Students will learn transcription techniques and have an opportunity to apply them in a final term paper.*

Prerequisite: C- or better in JAPN 302 or equivalent score on FLPA. Satisfies the linguistics requirement for the Japanese major and minor. This course will introduce Japanese business language and practices from a cross-cultural, cross-linguistic perspective and is designed for intermediate to advanced level learners. Class discussions in English and Japanese will be based on oral and written samples of authentic discourse, and will acquaint students with business terminology and kanji, as well as the genres of business telephone conversations and business e-mail correspondence. Readings will be drawn from relevant fields including pragmatics, conversation and discourse analysis, anthropological linguistics, and ethnomethodology. Two to three case studies on multinational companies conducted by the Wharton School of Business will also be examined.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Lindsay Yotsukura     | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | JMZ 1122          |

**JAPN498G****Special Topics in Japanese Studies; From Gentlewomen to Samurai: Japanese Literature in Translation 700-1600 CE**

Credits: 3      Grading Method: Regular      General Education: DSHU

*Special topics in Japanese studies. Taught in English.*

Students will read major and minor works of Japanese literature from the earliest legends and poetry, through the women's writing of the Heian period, to the Buddhist and warrior literature of the Kamakura and Muromachi eras. We will examine the intersection of poetry and prose, men and women's writing, and religious expression. Most of our class time will be spent in group discussion of the literary works. This course is intended for everyone -- no Japanese knowledge is required.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | John Kern          | Seats (Total: 30) |
|      | MW 3:30pm - 4:45pm | JMZ 2123          |

**JAPN499****Directed Study in Japanese**

(Perm req)

Credits: 1-3

Grading Method: Regular

**Contact department for information to register for this course.**

## JOUR Journalism

## Fall 2017

### JOUR130 Self-Presentation in the Age of YouTube

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: FSOC

*Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130 or THET285.*

*Additional information: May not count toward the Journalism major.*

*Students, as they make use of evolving technologies, need to be able to present themselves effectively in front of any number of different audiences through any number of different outlets. Whether in an interview on radio, a guest presentation at a conference, in comments on a video blog, in commentary on TV, in the lead on a self-produced YouTube video, or as spokesperson in front of investors or management, professionals need strong oral communication skills. This class focuses on strengthening those skills through active individual and group presentations, as well as, through discussion of key techniques and group critique of presentation publicly available in the social media space on sites such as YouTube.*

Restricted to New Freshman only.

|      |   |                   |
|------|---|-------------------|
| 0101 | Mary Burns  | Seats (Total: 22) |
|      | MW 9:30am - 10:45am                                   | KNI 3202          |
| FC01 | Kelly Stepno  | Seats (Total: 22) |
|      | MW 4:30pm - 5:45pm                                    | KNI 1103          |
|      | <i>Restricted to students in Freshmen Connection.</i> |                   |
| FC02 | Colleen Phelps  | Seats (Total: 22) |
|      | MW 3:00pm - 4:15pm                                    | KNI 1105          |
|      | <i>Restricted to students in Freshmen Connection.</i> |                   |
| FC03 | Renee Poussaint                                       | Seats (Total: 22) |
|      | TuTh 7:30pm - 8:45pm                                  | KNI 1208          |
|      | <i>Restricted to students in Freshmen Connection.</i> |                   |
| FC04 | Kelly Stepno  | Seats (Total: 22) |
|      | MW 7:30pm - 8:45pm                                    | KNI 1103          |
|      | <i>Restricted to students in Freshmen Connection.</i> |                   |

|   |                      |                   |
|---|----------------------|-------------------|
| FC05  | Mark Gray            | Seats (Total: 22) |
|   | TuTh 7:30pm - 8:45pm | KNI 3202          |
| <i>Restricted to students in Freshmen Connection.</i> |                      |                   |

## JOUR150

### Introduction to Mass Communication

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB      General Education: DSHS, DSSP

*Restriction: Not open to students who have completed JOUR100 prior to Fall 1999. Additional information: Not applicable toward journalism major.*

*Survey of the functions and effects of the mass media in the United States. A consumer's introduction to newspapers, television, radio, film, sound recording, books, magazines, and new media technology.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Krishnan Vasudevan    | Seats (Total: 35) |
|      | TuTh 12:30pm - 1:45pm | KNI 1208          |
| 0201 | Edward Alwood         | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm  | KNI 1103          |
| 0301 | Edward Alwood         | Seats (Total: 35) |
|      | TuTh 12:30pm - 1:45pm | KNI 3202          |

## JOUR175

### Media Literacy

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: IE, D      General Education: DSSP, DVUP

*Additional information: Not applicable toward journalism major.*

*An analysis of the information, values and underlying messages conveyed via television, newspapers, the internet, magazines, radio and film. Examines the accuracy of those messages and explores how media shape views of politics, culture and society.*

|      |                    |                          |
|------|--------------------|--------------------------|
| 0101 | Susan Moeller      | Seats (Total: 25)        |
|      | Tu 2:00pm - 3:15pm | KEY 0106                 |
|      | Th 2:00pm - 3:15pm | ESJ 1202      Discussion |
| 0102 | Susan Moeller      | Seats (Total: 25)        |
|      | Tu 2:00pm - 3:15pm | KEY 0106                 |
|      | Th 2:00pm - 3:15pm | HBK 0123      Discussion |

|      |   |   |            |
|------|---|---|------------|
| 0103 | Susan Moeller<br>Tu 2:00pm - 3:15pm<br>Th 2:00pm - 3:15pm | Seats (Total: 25)<br>KEY 0106<br>HJP 2242 | Discussion |
| 0104 | Susan Moeller<br>Tu 2:00pm - 3:15pm<br>Th 2:00pm - 3:15pm | Seats (Total: 25)<br>KEY 0106<br>SYM 0215 | Discussion |
| 0105 | Susan Moeller<br>Tu 2:00pm - 3:15pm<br>Th 2:00pm - 3:15pm | Seats (Total: 25)<br>KEY 0106<br>ATL 2352 | Discussion |
| 0106 | Susan Moeller<br>Tu 2:00pm - 3:15pm<br>Th 2:00pm - 3:15pm | Seats (Total: 25)<br>KEY 0106<br>SQH 1123 | Discussion |
| 0107 | Susan Moeller<br>Tu 2:00pm - 3:15pm<br>Th 2:00pm - 3:15pm | Seats (Total: 25)<br>KEY 0106<br>ESJ 1202 | Discussion |
| 0108 | Susan Moeller<br>Tu 2:00pm - 3:15pm<br>Th 2:00pm - 3:15pm | Seats (Total: 25)<br>KEY 0106<br>HJP 2242 | Discussion |

## JOUR181

(Perm req)

### Grammar for Journalists

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: ENGL181, ENGL281, or JOUR181.*

*The basic grammatical structures of standard American written English and its conventions of punctuation, diction and usage in journalistic writing.*

|      |                                    |                                |
|------|------------------------------------|--------------------------------|
| 0101 | Linda Coleman<br>W 3:00pm - 3:50pm | Seats (Total: 125)<br>LEF 2205 |
| 0201 | Linda Coleman<br>W 1:00pm - 1:50pm | Seats (Total: 70)<br>KNI 1208  |

|   |                   |                   |
|---|-------------------|-------------------|
| FC01  | Nabila Hijazi     | Seats (Total: 35) |
|   | W 3:00pm - 3:50pm | KNI 1208          |
| <i>Restricted to students in Freshman Connection.</i> |                   |                   |

## JOUR181U

### Grammar for Journalists

(Perm req)

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: ENGL181, ENGL281, or JOUR181.*

*The basic grammatical structures of standard American written English and its conventions of punctuation, diction and usage in journalistic writing.*

Restricted to New Freshman only.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Linda Coleman     | Seats (Total: 90) |
|      | W 3:00pm - 3:50pm | LEF 2205          |

## JOUR199

### Survey Apprenticeship

(Perm req)

Credits: 1

Grading Method: Sat-Fail

*College-monitored experience in approved mass-communications organizations and industries.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Adrianne Flynn                                | Seats (Total: 40) |
|      | Contact instructor or department for details. |                   |

## JOUR200

### Journalism History, Roles and Structures

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Introduction to the study of journalism from the standpoint of media history and sociology.*

Non-journalism majors should contact the College of Journalism at (301) 405-2399 for permission to register.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Pallavi Guha         | Seats (Total: 30) |
|      | MW 9:30am - 10:45am  | KNI 1208          |
| 0201 | Carole Lee           | Seats (Total: 31) |
|      | MW 11:00am - 12:15pm | KNI 3202          |



|   |                    |                   |
|---|--------------------|-------------------|
| FC01  | Justin Hudson      | Seats (Total: 34) |
|   | MW 4:30pm - 5:45pm | KNI 3202          |
| <i>Restricted to students in Freshman Connection.</i> |                    |                   |

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**JOUR200U Journalism History, Roles and Structures**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Introduction to the study of journalism from the standpoint of media history and sociology.*

Restricted to New Freshman only.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Carl Stepp             | Seats (Total: 30) |
|      | TuTh 11:00am - 12:15pm | KNI 1105          |
| 0201 | Kalyani Chadha         | Seats (Total: 30) |
|      | TuTh 9:30am - 10:45am  | KNI 1103          |
| 0301 | Ira Chinoy             | Seats (Total: 30) |
|      | TuTh 9:30am - 10:45am  | KNI 1208          |

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**JOUR201 News Writing and Reporting I**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: Minimum grade of C- in ENGL101, JOUR181, and JOUR200; and permission of JOUR-Philip Merrill College of Journalism. Restriction: For students intending to be journalism majors; and permission of JOUR-Philip Merrill College of Journalism.*

*Introduction to news for the print and electronic media, development of new concepts: laboratory in news-gathering tools and writing skills. Students who earned 80% or higher on the JOUR181 diagnostic are exempt from the JOUR181 prerequisite.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0201 | Constance Ford       | Seats (Total: 18) |
|      | MW 12:00pm - 1:50pm  | KNI 2105          |
| 0301 | Merrilee Cox         | Seats (Total: 18) |
|      | TuTh 2:00pm - 3:50pm | KNI 2103          |

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**JOUR202 News Editing**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: Must have completed or be concurrently enrolled in JOUR203. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.*

*Copy editing, graphic principles and processes, new media technology.*

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Brian Cleveland<br>MW 5:00pm - 6:50pm  | Seats (Total: 18)<br>KNI 2103 |
| 0201 | Kathryn Wenner<br>TuTh 2:00pm - 3:50pm | Seats (Total: 18)<br>KNI 2105 |
| 0301 | Jay Goldman<br>TuTh 7:00pm - 8:50pm    | Seats (Total: 18)<br>KNI 2107 |

## JOUR203

(Perm req)

## Introduction to Multimedia Skills

Credits: 3      Grading Method: Regular

*Prerequisite: JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR203 or JOUR328G. Formerly: JOUR328G.*

*Examining the basics of producing and editing digital photos, video, and audio. Topics include: framing, lighting, and other aspects of composition; sequencing, using wide, medium, and tight shots; and ethical considerations when collecting sound and visuals.*

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Timothy Jacobsen<br>F 9:00am - 11:45am   | Seats (Total: 18)<br>KNI 2107 |
| 0201 | Joshua Davidsburg<br>Tu 12:00pm - 2:45pm | Seats (Total: 18)<br>KNI 1101 |
| 0301 | Timothy Jacobsen<br>W 4:00pm - 6:45pm    | Seats (Total: 18)<br>KNI 1101 |
| 0401 | Jaclyn Borowski<br>M 7:00pm - 9:45pm     | Seats (Total: 18)<br>KNI 1101 |
| 0501 | Shanaz Baksh<br>W 12:00pm - 2:45pm       | Seats (Total: 18)<br>KNI 2103 |
| 0601 | Graham Cullen<br>W 4:00pm - 6:45pm       | Seats (Total: 18)<br>KNI 2107 |

|      |                    |                   |
|------|--------------------|-------------------|
| 0701 | Timothy Jacobsen   | Seats (Total: 18) |
|      | F 12:00pm - 2:45pm | KNI 2107          |

## **JOUR262 News Videography**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: JOUR203. Also offered as: JOUR603. Credit only granted for: JOUR262 or JOUR603.*

*Introduction to shooting, editing and production of video stories for broadcast and the Web; includes newsgathering in the field.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Alanna Delfino       | Seats (Total: 9)  |
|      | MW 10:00am - 11:50am | TWS 0222A         |
| 0201 | Bethany Swain        | Seats (Total: 9)  |
|      | MW 10:00am - 11:50am | TWS 0222B         |
| 0301 | Luke Rollins         | Seats (Total: 10) |
|      | TuTh 7:00pm - 8:50pm | TWS 0222A         |

## **JOUR289E Media Law and Ethics in the Digital Age**

Credits: 3      Grading Method: Regular,      General Education: DSHS,  
Pass-Fail, Audit      SCIS

This course is intended for non-journalism majors. Explore the First Amendment, libel, privacy, FOIA and copyright as they have evolved in the digital news age of bloggers, tweeters and citizen journalists. The course will cover fundamental legal and ethical concepts as well as practical application.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Deborah Nelson             | Seats (Total: 72) |
|      | Class time/details on ELMs | ONLINE            |

## **JOUR289I Information 3.0: Exploring Technological Tools**

Credits: 3      Grading Method: Regular,      CORE: IE      General Education: DSSP,  
Pass-Fail, Audit      SCIS

This innovative course blends face-to-face and virtual meetings with state-of-the art technology that includes mobile devices, a custom course app, and social media to address the overwhelming amounts of information from an increasing number of technologies. Instead of traditional written exams assignments, students learn and apply new ways to seek, select, share & learn from digital media. Students combine text and tweets with audio and video to address the sociological and psychological benefits and consequences of emerging technologies in school, work, and play.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Ronald Yaros           | Seats (Total: 70) |
|      | TuTh 11:00am - 12:15pm | KNI 1208          |

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**JOUR289J      Probing War: Investigative Narratives and American Conflicts**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HL      General Education: DSHU, SCIS

In this course, we will explore the realities of war through the work of journalists who pushed beyond the daily headlines, some risking life and limb, to challenge official versions and document uncomfortable realities about American conflicts.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Christopher Hanson   | Seats (Total: 30) |
|      | MW 11:00am - 12:15pm | KNI 1103          |

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**JOUR300      Journalism Ethics**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.*

*Examination of ethical problems in news writing and reporting.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Christopher Hanson   | Seats (Total: 30) |
|      | Tu 4:15pm - 7:00pm   | KNI 1208          |
| 0201 | Sharon O'Malley      | Seats (Total: 30) |
|      | TuTh 5:00pm - 6:15pm | KNI 1105          |
| 0301 | Carl Stepp           | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm | KNI 1105          |

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**JOUR320      News Writing and Reporting II: Multiplatform**

(Perm req)

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.*

*Principles and practices of news reporting; covering news beats and other news sources, including researching news stories for accuracy, comprehensiveness and interpretation. Due to rigorous publication requirement, plan your schedule accordingly.*

|      |  |                               |
|------|--|-------------------------------|
| 0101 | David Lightman<br>MW 8:00am - 9:50am   | Seats (Total: 18)<br>KNI 2105 |
| 0201 | Thomas Linthicum<br>MW 7:00pm - 8:50pm | Seats (Total: 18)<br>KNI 2105 |
| 0301 | Elaine Povich<br>TuTh 8:00am - 9:50am  | Seats (Total: 16)<br>KNI 2103 |

### JOUR324

#### Commentary and Editorial Writing

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: JOUR320 or JOUR360. Formerly: JOUR326.*

*Journalistic interpretation and analysis; commentary and editorial writing.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | William Beecher<br>TuTh 2:00pm - 3:15pm | Seats (Total: 18)<br>KNI 1206 |
|------|---|-------------------------------|

### JOUR325

#### Capital News Service Bureau

(Perm req)

Credits: 6      Grading Method: Regular,      General Education: DSSP  
Pass-Fail, Audit

*Prerequisite: JOUR320; and permission of JOUR-Philip Merrill College of Journalism.*

*Advanced journalism training. Students report as part of College's Capital News Service program.*

Also offered as JOUR625. Students must contact the instructor for permission to register.

|      |   |                  |
|------|---|------------------|
| 0101 | James Carroll<br>Contact instructor or department for details.<br><i>This section meets in the National Press Building, Washington, DC.</i> | Seats (Total: 9) |
| 0201 | Karen Denny<br>Contact instructor or department for details.<br><i>This section meets in the CNS Bureau, Annapolis, MD.</i>                 | Seats (Total: 9) |
| 0301 | Sean Mussenden<br>Contact instructor or department for details.   | Seats (Total: 9) |
| 0401 | Sean Mussenden, Brooke Auxier<br>Contact instructor or department for details.  | Seats (Total: 8) |

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**JOUR327****Urban Affairs Reporting**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP

*Prerequisite: JOUR320; and permission of instructor. Also offered as: JOUR627. Credit only granted for: JOUR327 or JOUR627.*

*Students are immersed in coverage of issues affecting cities, working on a semester-long multi-platform reporting project based in Baltimore.*

Students will use Baltimore as a working laboratory to report on urban issues. Course meets in Baltimore.

|      |                   |                  |
|------|-------------------|------------------|
| 0101 | Sandra Banisky    | Seats (Total: 7) |
|      | M 1:30pm - 4:15pm | Location: TBA    |

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**JOUR328B****Special Topics in News Writing and Reporting; Sports Reporting and Writing**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Advanced training and practice in writing and reporting news.*

Prerequisite: JOUR 320. Contact department to obtain permission. This course is designed to give students a full and wide-ranging experience in all aspects of sports journalism, including multimedia, social media, the history of the craft and other specialties in reporting, investigative journalism, writing, layout, game coverage and editing.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | George Solomon     | Seats (Total: 15) |
|      | M 12:00pm - 2:45pm | KNI 1206          |

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**JOUR328F****Special Topics in News Writing and Reporting; National Security and Press Freedom Reporting**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Advanced training and practice in writing and reporting news.*

Prerequisite: JOUR320; Credit granted for: JOUR328F, JOUR328N or JOUR462 . Students will learn to research and report on select U.S. agencies, on on bilateral relations, on Washington's many national security resources , and on press freedom problems overseas.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Karin Assmann, Dana Priest | Seats (Total: 11) |
|      | M 2:30pm - 5:15pm          | KNI 3200          |

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**JOUR328M Special Topics in News Writing and Reporting; Magazine Journalism**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Advanced training and practice in writing and reporting news.*

Prerequisite: JOUR320. Students will be introduced to the magazine publishing industry, which grew over the last decade despite the economic downturn and now faces new challenges from emerging digital platforms and changing consumer habits.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Sarah Schaffer     | Seats (Total: 17) |
|      | Tu 5:00pm - 7:45pm | KNI 2105          |

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**JOUR350 Multimedia Presentation**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in JOUR202; or minimum grade of C- in JOUR262. Credit only granted for: JOUR350 or JOUR373.*

*An examination of the relationship of verbal and visual components of news content and the presentation of information in print and online publications by combining typography, graphics, images and interactivity using current digital technologies.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | George Lanum          | Seats (Total: 18) |
|      | TuTh 12:00pm - 1:50pm | KNI 2103          |

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**JOUR352 Interactive Design and Development**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: JOUR203. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Also offered as: JOUR352. Credit only granted for: JOUR352 or JOUR652.*

*Conceptualize, wireframe, design and build responsive Web pages using HTML, style sheets and other coding tools; work with open source interactive tools, JavaScript libraries, multimedia and text to create charts, timelines, maps and other forms of nonfiction storytelling.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0201 | Alexander Pyles    | Seats (Total: 18) |
|      | Tu 7:00pm - 9:45pm | KNI 1101          |
| 0301 | Leslie Walker      | Seats (Total: 18) |
|      | W 11:00am - 1:45pm | KNI 2107          |

|      |                                    |                               |
|------|------------------------------------|-------------------------------|
| 0401 | Leslie Walker<br>M 1:00pm - 3:45pm | Seats (Total: 18)<br>KNI 2107 |
| 0501 | Gagan Nirula<br>Th 7:00pm - 9:45pm | Seats (Total: 18)<br>KNI 1101 |

### JOUR353

#### News Bureau: Multimedia Reporting

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

General Education: DSSP

*Prerequisite: JOUR352; and permission of JOUR-Philip Merrill College of Journalism; and (JOUR320 or JOUR360).*

*Advanced reporting and writing in an online environment focusing on multimedia and non-traditional storytelling.*

Students must contact the instructor for permission to register for the course. College Park students should enroll in section 0101. Annapolis students should enroll in section 0201. Washington, D.C. students should enroll in section 0301.

|      |  |                  |
|------|--|------------------|
| 0201 | Karen Denny<br>Contact instructor or department for details.   | Seats (Total: 7) |
| 0301 | James Carroll<br>Contact instructor or department for details. | Seats (Total: 7) |

### JOUR355

#### News Bureau: Multimedia Editing and Production

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP

*Prerequisite: JOUR202 or JOUR262; and (JOUR320 or JOUR360); and JOUR352; and permission of JOUR-Philip Merrill College of Journalism.*

*Advanced online journalism training. Students work as multimedia editor and producers, building interactive content and special reports.*

|      |  |                   |
|------|--|-------------------|
| 0101 | Sean Mussenden<br>Contact instructor or department for details.                | Seats (Total: 10) |
| 0201 | Brooke Auxier, Sean Mussenden<br>Contact instructor or department for details. | Seats (Total: 8)  |

### JOUR358V

#### Special Topics in Visual Communication; 360-Video, Virtual Reality and Augmented Reality



(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Advanced training and practice in visual communication.*

Prerequisite: JOUR320 or JOUR360; and permission of Associate Dean Rafael Lorente (rlorente@umd.edu). Working with 360-degree cameras, students will learn to tell stories in these emerging media, as well as explore theoretical and ethical issues around the application of these technologies. The course will also explore motion sensing and area capture, as well as other technologies in order to build toward groundbreaking ways of presenting information and engaging audiences. Course meets at Newseum.

|      |                                 |                   |
|------|---------------------------------|-------------------|
| 0101 | Steven Johnson, Mitchell Gelman | Seats (Total: 12) |
|      | F 10:00am - 12:45pm             | Location: TBA     |

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### JOUR360

#### News Writing and Reporting II: Broadcast

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.*

*Writing and reporting for broadcast media: production of news stories.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Cassandra Clayton     | Seats (Total: 18) |
|      | MW 11:00am - 12:15pm  | KNI 1101          |
| 0201 | Stuart Schwartz       | Seats (Total: 18) |
|      | TuTh 12:30pm - 1:45pm | KNI 2107          |
| 0301 | Cassandra Clayton     | Seats (Total: 18) |
|      | MW 12:30pm - 1:45pm   | KNI 1101          |

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### JOUR361

#### Television Reporting and Production

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: JOUR262 and JOUR360.*

*Writing and editing for the broadcast media. Interpretive and documentary news stories.*

Due to rigorous fieldwork requirement, plan your schedule accordingly.

|      |   |                                |
|------|---|--------------------------------|
| 0101 | Paul Gessler<br>TuTh 7:00pm - 8:50pm        | Seats (Total: 12)<br>TWS 0222B |
| 0301 | Adam Longo<br>TuTh 12:00pm - 1:50pm         | Seats (Total: 12)<br>TWS 0222A |
| 0501 | Joshua Davidsburg<br>TuTh 10:00am - 11:50am | Seats (Total: 12)<br>TWS 0222B |

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### **JOUR362 Broadcast News Producing**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: JOUR262 and JOUR360; and must have completed or be concurrently enrolled in JOUR361.*

*Producing TV news.*

|      |  |   |
|------|--|---|
| 0102 | Cindy Wright<br>Tu 7:15pm - 9:15pm<br>Tu 2:00pm - 6:50pm | Seats (Total: 2)<br>TWS 0117<br>TWS 0117      Lab |
| 0104 | Cindy Wright<br>Tu 7:15pm - 9:15pm<br>Th 2:00pm - 6:50pm | Seats (Total: 2)<br>TWS 0117<br>TWS 0117      Lab |

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### **JOUR364 Radio Broadcasting**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: JOUR360; and permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR364 or JOUR368R. Formerly: JOUR368R.*

*Students receive hands-on training in applying what they have learned about news reporting to the preparation of stories for, and the production of, a weekly radio program.*

|      |                                     |                               |
|------|-------------------------------------|-------------------------------|
| 0101 | Robert Little<br>Th 7:00pm - 9:45pm | Seats (Total: 12)<br>KNI 2103 |
|------|-------------------------------------|-------------------------------|

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### **JOUR367 Broadcast News Bureau**

(Perm req)

Credits: 6

Grading Method: Regular,  
Audit

General Education: DSSP

*Prerequisite: JOUR361; and permission of JOUR-Philip Merrill College of Journalism.*

*Advanced broadcast journalism training. Students report as part of the College's Capital News Service program.*

Also offered as JOUR667.

0101

Susan Katcef

Seats (Total: 15)

Contact instructor or department for details.

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### **JOUR368B**

#### **Topics in Broadcast and Electronic Media; Broadcast Sports Reporting**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Advanced research, analysis and/or practice of selected topics in broadcast journalism.*

Prerequisite: JOUR262, JOUR360, JOUR361, and permission of department. At the completion of this course, students will be able to find and execute sports-related stories, anchor, and do simulations of live shots.

0101

David Owens

Seats (Total: 12)

W 3:30pm - 6:15pm

KNI 1109

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### **JOUR368K**

#### **Topics in Broadcast and Electronic Media; Video Innovation**

(Perm req)

Credits: 3

Grading Method: Regular

*Advanced research, analysis and/or practice of selected topics in broadcast journalism.*

Prerequisite: JOUR361 and permission of the instructor (jdavidsb@umd.edu). Students will explore the intersection between social media, video and a live broadcast by creating new and innovative ways to "broadcast" news to an audience. The class will encourage an entrepreneurial spirit and give students the opportunity to produce a show from scratch, with content aired on UMTV and online. In addition to creating television, students will support the broadcast arm of Capital News Service by managing volunteers, filling in on the studio staff and producing special projects and graphics when necessary.

0101

Joshua Davidsburg

Seats (Total: 8)

Tu 2:45pm - 5:30pm

TWS 0222B

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### **JOUR368N**

#### **Topics in Broadcast and Electronic Media; Producing National News**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Advanced research, analysis and/or practice of selected topics in broadcast journalism.*

Prerequisite: JOUR320 or JOUR360; and permission of instructor. Students will explore what it takes to be a field producer at the network level. They will examine the conceptual, research, reporting, and writing skills that create in-depth television stories. They will study award-winning stories and meet their producers.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Thomas Bettag          | Seats (Total: 10) |
|      | TuTh 11:00am - 12:15pm | KNI 3200          |

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**JOUR368T      Topics in Broadcast and Electronic Media; On-Camera Performance**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Advanced research, analysis and/or practice of selected topics in broadcast journalism.*

Prerequisite: JOUR262 and JOUR360. This course will help students hone their skills in anchoring, stand-ups, live shots and interviewing. Students will learn how to use their voice as a tool of journalistic expression - to give their reporting a compelling presentation. After this class, students will be able to write stand-ups quickly, write copy that's conversational, clear and crisp, and be comfortable at the anchor desk.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Cassandra Clayton | Seats (Total: 12) |
|      | M 2:30pm - 5:15pm | KNI 1101          |

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**JOUR368V      Topics in Broadcast and Electronic Media; Advanced Video Storytelling**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Advanced research, analysis and/or practice of selected topics in broadcast journalism.*

Prerequisite: JOUR361 and permission of instructor. Students will learn advanced storytelling, shooting and editing techniques for multi-platform video, using character-driven, natural sound packages to produce in-depth projects on a common theme. A Partnership for Action Learning in Sustainability (PALS) course where students apply classroom learning to actual community needs.

|      |                   |                  |
|------|-------------------|------------------|
| 0101 | Bethany Swain     | Seats (Total: 9) |
|      | M 1:00pm - 4:00pm | TWS 0222B        |

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**JOUR368Y      Topics in Broadcast and Electronic Media; Sports Producing**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Advanced research, analysis and/or practice of selected topics in broadcast journalism.*

Prerequisite: JOUR262 and JOUR360; or JOUR320. This class will take an analytical look at sports TV and sports content by deconstructing shows. We will examine the producer's role in creating the look, feel and direction of shows and learn how to choose a lead story, how to "tease" effectively and the importance of identifying and telling good stories. We will watch live televised sporting events to better understand the techniques used by directors and producers. Students will get hands-on experience with BTN2GO and learn all aspects of live game production.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Joseph Yasharoff  | Seats (Total: 12) |
|      | W 7:00pm - 9:45pm | KNI 2103          |

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### **JOUR370      Photojournalism**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: JOUR320 or JOUR360. Credit only granted for: JOUR 368P, JOUR 370 or JOUR 670. Formerly: JOUR 368P. Additional information: Students are required to borrow, rent or purchase a 35mm digital camera. Contact department for camera specifications.*

*Examining the basics of shooting, editing and storytelling with still photos taken with 35mm digital cameras. Students shoot portraits, feature photos and action shots. Final project is a photo story/essay.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Gregory Kendall-Ball | Seats (Total: 12) |
|      | Tu 6:00pm - 8:45pm   | KNI 2103          |
| 0201 | Jonathan Sham        | Seats (Total: 12) |
|      | M 7:00pm - 9:45pm    | KNI 2103          |

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### **JOUR396      Supervised Internship**

(Perm req)

Credits: 2                      Grading Method: Regular

*Prerequisite: Must have earned a grade of C- or better in JOUR320 or JOUR360. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR326, JOUR366, or JOUR396.*

*Students will complete a minimum of 90 hours in a supervised journalism internship over a minimum of 10 weeks in spring and fall, and eight weeks in summer. Emphasis is on relating academic training to professional experience. Students may pick up an internship proposal form in KNI 1100, have their internship supervisor fill it out, and meet with the college's internship director to receive permission to register. No requests to register after the Schedule Adjustment Period will be granted. This requirement would affect incoming freshmen from the fall 2012 class.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Adrianne Flynn                                | Seats (Total: 45) |
|      | Contact instructor or department for details. |                   |

### **JOUR398 Independent Study**

(Perm req)

Credits: 1-3      Grading Method: Regular

*Individual projects in journalism.*

**Contact department for information to register for this course.**

### **JOUR399 Supervised Internship**

(Perm req)

Credits: 1      Grading Method: Regular

*Supervised news internship experience; relation of academic training to professional experience.*

Prerequisite: Grade of C- or better in JOUR320 or JOUR360. Credit will be granted for only one of the following: JOUR326, JOUR366, JOUR396 or JOUR399. Supervised news internship experience; relation of academic training to professional experience. Students must pick up an internship agreement form in KNI 1100, have the internship supervisor fill it out, and meet with the Internship Director to receive permission to register. No requests to register after the Schedule Adjustment Period will be granted.

|      |   |                   |
|------|---|-------------------|
| 0101 | Adrianne Flynn                                | Seats (Total: 75) |
|      | Contact instructor or department for details. |                   |

### **JOUR400 Media Law**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: JOUR320, JOUR360, or JOUR501. Restriction: Junior standing or higher.*

*Legal rights and constraints of mass media; libel, privacy, copyright, monopoly, contempt, and other aspects of the law applied to mass communication. Previous study of the law not required.*

Restricted to students having earned at least 60 credits.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Deborah Nelson             | Seats (Total: 44) |
|      | M 4:00pm - 5:15pm          | KNI 1208          |
|      | Class time/details on ELMs | ONLINE            |
| 0201 | Sandra Banisky             | Seats (Total: 41) |
|      | TuTh 11:00am - 12:15pm     | KNI 3202          |

**JOUR405****Breaking News With Numbers: Statistics for Journalists**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: FSAR

*Prerequisite: Minimum grade of C- in JOUR201; and (MATH107 or MATH110; or must have completed a higher level math course). Or have permission of the instructor. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, INST314, JOUR405, PSYC200 or SOCY201. (These courses do not necessarily meet the same major requirements-check with your advisor to see which of these courses will count for your major).*

*Common statistical tools, software and data visualization techniques will be used to allow students to analyze data and solve problems relevant to reporting and writing about politics, sports, criminal justice, business and other fields.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Tom Brune                  | Seats (Total: 38) |
|      | Class time/details on ELMs | ONLINE            |

**JOUR452****Women in the Media**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit , D

General Education: DVUP

*Restriction: Junior standing or higher. Also offered as: WMST452. Credit only granted for: JOUR452 or WMST452.*

*Participation and portrayal of women in the mass media from colonial to contemporary times.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Renee Poussaint      | Seats (Total: 30) |
|      | TuTh 5:00pm - 6:15pm | KNI 3202          |

**JOUR453****News Coverage of Racial Issues**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit , D

General Education: DVUP

*Restriction: Junior standing or higher.*

*Analysis of news media coverage of issues relating to racial minorities in the United States, with special attention to Hispanics, Asian Americans, African Americans and Native Americans.*

Also offered as AASP 499N.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Anne Rosen            | Seats (Total: 25) |
|      | TuTh 9:30am - 10:45am | KNI 3202          |

**JOUR456****Literature in Journalism**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSHU

*Also offered as: JOUR673. Credit only granted for: JOUR456 or JOUR673.*

*From Truman Capote's In Cold Blood to Mark Bowden's Black Hawk Down, students will examine how literary works can help writers approach a subject in a different way than more traditional forms of journalism, including the advantages and limitations of the style.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Sohana Nasrin, Kevin Klose | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm     | KNI 1206          |

**JOUR458B****Special Topics in Journalism; Sports Media Today**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Issues of special concerns and current interest.*

Students will discuss working with various organizations' communications/media relations staff, coaches and players; distributing news of the organizations; and creating/maintaining methods for disseminating the news to the public in an honest and forthright manner. Also, traditional, digital and social media elements will be explored. Restriction: Junior Standing or higher.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Beth Mechum        | Seats (Total: 25) |
|      | Th 3:30pm - 6:15pm | KNI 1208          |

**JOUR458M****Special Topics in Journalism; Sports, Protest, and the Media**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Issues of special concerns and current interest.*

This class will examine the development of our games, the history of of remonstrance upon them and the machinations of media at the intersection of the two. It will answer why activists, whether athletes or not, have long commanded ceremonial and ritualistic games to promote a cause or take a stand. It will examine how important the role is of media as a collector, editor, interpreter, and disseminator of information, or news, about athletic competitions, athletes, and political pronouncements revolving around athletic events and their participants.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Kevin Blackistone    | Seats (Total: 16) |
|      | MW 10:00am - 11:15am | KNI 1206          |

**JOUR459F****Special Topics in Journalism; Media in War and Crisis**



Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Issues of special concern and current interest. Open to all students.*

**Contact department for information to register for this course.**

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**JOUR459K      Special Topics in Journalism; Global Media and International Journalism in the 21st Century**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Issues of special concern and current interest. Open to all students.*

**Contact department for information to register for this course.**

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**JOUR459L      Special Topics in Journalism; European Mass Media**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Issues of special concern and current interest. Open to all students.*

**Contact department for information to register for this course.**

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**JOUR459T      Special Topics in Journalism; Press Freedom and the Rise of Disinformation/Fake News in the United States and Abroad**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Issues of special concern and current interest. Open to all students.*

This class will examine the emerging tensions and challenges of maintaining the flow of accurate, independent news to the public using four case studies: The United States, Russia and two others. We will examine the notion of "press freedom" as a basic human right, opponents of that view, and global trends in the last decade that are undermining that freedom, including the contradictory role the U.S. has played in both strengthening and weakening press freedom in emerging democracies. Then, we will explore forms of censorship, the state's and private industry's role in the shaping of the media environment and the rise of disinformation/fake news.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Karin Assmann, Dana Priest | Seats (Total: 13) |
|      | M 10:00am - 12:45pm        | KNI 3200          |

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**JOUR459V      Special Topics in Journalism; Media and International Affairs**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Issues of special concern and current interest. Open to all students.*

**Contact department for information to register for this course.**

(Perm req)

*Prerequisite: JOUR320 or JOUR360.*

*Computer and online data acquisition; analytical methods for writing and reporting news.*

Students must contact Associate Dean Rafael Lorente for permission to register.

|      |                       |                  |
|------|-----------------------|------------------|
| 0101 | Daniel Keating        | Seats (Total: 5) |
|      | TuTh 9:00am - 10:50am | KN1 2105         |

(Perm req)

|            |                                   |                         |
|------------|-----------------------------------|-------------------------|
| Credits: 3 | Grading Method: Regular,<br>Audit | General Education: DSHS |
|------------|-----------------------------------|-------------------------|

*Prerequisite: Must have completed a university statistics course. Credit only granted for: JOUR479W or JOUR476. Formerly: JOUR479W.*

*Students will examine developments billed as innovative in the current technology-laden news ecology - such as social media, mobile reporting and virtual reality -- and the blurring of lines between hard news, informed opinion and advocacy. While questions about the future cannot be answered with any certainty, an exploration of the past allows us to see what happened when new technologies, information systems and practices appeared as possible tools for use by journalists and the communities they served. Students will learn to use resources for researching emerging media, including UMD library databases and open access sources. The course will include presentations by the instructor, discussions, field trips, in-class exercises and student presentations. Each student will engage in a research project to understand the experience of emerging media in a decade between 1820 and 1980. Students will also write an essay contemplating current trends and the future of emerging media.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Ira Chinoy          | Seats (Total: 18) |
|      | MW 9:30am - 10:45am | KN1 1101          |

(Perm req)

Credits: 3      Grading Method: Regular

*Special research topics for reporting and writing.*

Prerequisite: JOUR352; and permission of Associate Dean Rafael Lorente (rlorente@umd.edu).

Students will learn how to analyze and measure digital audiences using real-time analytics tools. We'll explore which metrics matter (page views, unique visitors, time on site, referrals, etc.) and how to define success. Course meets at The Washington Post.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Mark Smith          | Seats (Total: 12) |
|      | F 10:00am - 12:45pm | Location: TBA     |

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**JOUR479C      Special Topics in Data Gathering and Analysis; Understanding the Economy and Business**

(Perm req)

Credits: 3      Grading Method: Regular

*Special research topics for reporting and writing.*

Prerequisite: Must have complete a university statistics course. This class, designed for journalism and non-journalism undergraduates, introduces students to the major economic and business themes that dominate news coverage and explains how reporters gather and analyze data to write these stories. Topics discussed will include: income inequality, economic growth, the stock market, investing, immigration, international trade, corporate strategy, real estate, the Federal Reserve and mergers & acquisitions. This class will be helpful to students who want to understand how the economy and the stock market work, why globalization is shifting and how the biggest corporations--including technology companies--compete for market share.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Constance Ford     | Seats (Total: 15) |
|      | MW 3:00pm - 4:15pm | KNI 2103          |

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**JOUR479I      Special Topics in Data Gathering and Analysis; Seeing- Media, Images & Design**

(Perm req)

Credits: 3      Grading Method: Regular

*Special research topics for reporting and writing.*

Prerequisite: A university statistics course. This course will introduce students to the expanding ways the "visual" is embedded in all we do and all that we are. Students will tackle challenges of why "seeing" matters and in so doing will learn visual theory. Media have become less about words and more about sight: Students will consider the ethics and impact of images on people and politics and turn those lessons into an examination of the methods of research projects where images are the data. What do we see? What don't we see? Students will analyze and deconstruct images created by others and use those insights to inform their own creation of a culminating visual journalism research project.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Susan Moeller          | Seats (Total: 18) |
|      | TuTh 11:00am - 12:15pm | KNI 2105          |

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**JOUR479O      Special Topics in Data Gathering and Analysis; Understanding Audiences**

(Perm req)

Credits: 3      Grading Method: Regular

*Special research topics for reporting and writing.*

Must have completed a university statistics course. As journalism evolves, it may be more important than ever to understand what were once simply called "audiences"- who they are, how they consume news, and what that engagement means for them and for society. Students will learn to think critically about news audiences and contemporary issues in audience research.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Ronald Yaros         | Seats (Total: 18) |
|      | TuTh 2:00pm - 3:15pm | KNI 2107          |

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**JOUR480**      **Capstone Colloquium: The Business of News**

(Perm req)

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism; and junior standing or higher; and permission of JOUR-Philip Merrill College of Journalism.*

*Students will learn the basic news business concepts and examine how revenue and cost structures for media businesses are evolving in new directions. Topics include basic principles and concepts that drive media businesses in the Internet age, including revenue sources, dynamics of online advertising and subscriptions, mobile media strategies, user metrics, engaging audiences, and market dynamics.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Leslie Walker   | Seats (Total: 70) |
|      | <b>Meets August 28, 2017 - October 16, 2017</b>               |                   |
|      | M 5:30pm - 7:20pm   | KNI 1208          |
|      | <i>Schedule adjustment is the first week of classes only.</i> |                   |

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**JOUR501**      **Fundamentals of Writing and Editing**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Permission of JOUR-Philip Merrill College of Journalism.*

*Principles of news and feature writing. For graduate students with limited prior training or experience in journalism.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Christine Harvey       | Seats (Total: 18) |
|      | TuTh 10:00am - 11:50am | KNI 2107          |

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**JOUR504**      **Introduction to Multimedia Skills**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Corequisite: JOUR501; or permission of instructor. Restriction: Permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR504 or JOUR628G. Formerly: JOUR628G.*

*Examining the basics of producing and editing digital photos, video, and audio. Topics include: framing, lighting, and other aspects of composition; sequencing, using wide, medium, and tight shots; and ethical considerations when collecting sound and visuals.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Mauro Whiteman     | Seats (Total: 12) |
|      | F 9:00am - 11:45am | KNI 2105          |

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### **JOUR601 Theories of Journalism and Public Communication**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Permission of JOUR-Philip Merrill College of Journalism.*

*Survey and evaluation of current communication theories. Attention is given to the nature and function of scientific theory, models of communication behavior, the nature of information, social functions of journalism and public communication, attitude change and persuasive communication and theories of language and meaning.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Linda Steiner     | Seats (Total: 10) |
|      | W 1:00pm - 3:45pm | KNI 2109          |

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### **JOUR603 News Videography**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: JOUR504; and permission of Journalism College required. Restriction: Permission of JOUR-Philip Merrill College of Journalism. Also offered as: JOUR262. Credit only granted for: JOUR503 or JOUR603. Formerly: JOUR503.*

*Introduction to shooting, editing and production of video stories for broadcast and the Web; includes newsgathering in the field.*

|      |                      |                  |
|------|----------------------|------------------|
| 0101 | Bethany Swain        | Seats (Total: 2) |
|      | MW 10:00am - 11:50am | TWS 0222B        |
| 0201 | Alanna Delfino       | Seats (Total: 2) |
|      | MW 10:00am - 11:50am | TWS 0222A        |

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### **JOUR604 Introduction to Multimedia Skills for Graduate Certificate Programs**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Restriction: Permission of JOUR-Philip Merrill College of Journalism; and must not have completed JOUR504. Credit only granted for: JOUR 604, JOUR504, or JOUR628G. Formerly: JOUR628G. Additional information: This course is for students enrolled in graduate certificate programs in the College of Journalism.*

*Examine the basics of producing and editing digital photos, video and audio for news. Topics include framing, lighting and other aspects of composition; sequencing, using wide, medium and tight shots; and ethical considerations when collecting sound and visuals.*

PCJ1

Shanaz Baksh, Jennifer Rynda

Seats (Total: 15)

Sa 8:30am - 12:15pm

KNI 1101

*Restricted to students in the Multimedia Journalism Certificate program. The course runs from Sept. 9, 2017 to Dec. 16, 2017 and will not meet the following dates: Sept. 30, 2017, Oct. 21, 2017 and Nov. 25, 2017.*

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## JOUR620

### Public Affairs Reporting

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: JOUR501; or permission of JOUR-Philip Merrill College of Journalism.*

*Designed to add to and sharpen the skills learned in JOUR501. It is primarily an introduction to "beat" reporting that allows students to sample the most common new beats while reporting and writing on deadline. Students are required to develop and hone their multimedia skills by reporting in a variety of media.*

0301

Elaine Povich

Seats (Total: 2)

TuTh 8:00am - 9:50am

KNI 2103

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## JOUR625

### Advanced Capital News Service Bureau

(Perm req)

Credits: 6

Grading Method: Regular,  
Audit

*Prerequisite: JOUR620; and permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR625 or JOUR729. Formerly: JOUR729.*

*Advanced journalism training. Students report as part of College's Capital News Service program.*

0101

James Carroll

Seats (Total: 10)

Contact instructor or department for details.

|      |   |                   |
|------|---|-------------------|
| 0201 | Karen Denny                                   | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

## JOUR627

### Urban Affairs Reporting

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: JOUR501; and permission of JOUR-Philip Merrill College of Journalism. Corequisite: JOUR620; or permission of JOUR-Philip Merrill College of Journalism. Also offered as: JOUR327. Credit only granted for: JOUR327 or JOUR627.*

*Students are immersed in coverage of issues affecting cities, working on a semester-long multi-platform reporting project based in Baltimore.*

Students will use Baltimore as a working laboratory to report on urban issues. Course meets in Baltimore.

|      |                   |                  |
|------|-------------------|------------------|
| 0101 | Sandra Banisky    | Seats (Total: 6) |
|      | M 1:30pm - 4:15pm | Location: TBA    |

## JOUR628B

### Specialized Topics in News Writing and Reporting; Sports Reporting and Writing

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Advanced training and practice in writing and reporting news. Repeatable to a maximum of six credits provided the content differs.*

Course shares space with JOUR328B. This course is designed to give students a full and wide-ranging experience in all aspects of sports journalism, including multimedia, social media, the history of the craft and other specialties in reporting, investigative journalism, writing, layout, game coverage and editing.

|      |                    |                  |
|------|--------------------|------------------|
| 0101 | George Solomon     | Seats (Total: 3) |
|      | M 12:00pm - 2:45pm | KNI 1206         |

## JOUR628M

### Specialized Topics in News Writing and Reporting; Magazine Journalism

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Advanced training and practice in writing and reporting news. Repeatable to a maximum of six credits provided the content differs.*

Students will be introduced to the magazine publishing industry, which grew over the last decade despite the economic downturn and now faces new challenges from emerging digital platforms and changing consumer habits.

|      |                    |                  |
|------|--------------------|------------------|
| 0101 | Sarah Schaffer     | Seats (Total: 1) |
|      | Tu 5:00pm - 7:45pm | KNI 2105         |

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**JOUR628N Specialized Topics in News Writing and Reporting; National Security and Press Freedom Reporting**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*Advanced training and practice in writing and reporting news. Repeatable to a maximum of six credits provided the content differs.*

Students will learn to research and report on select U.S. agencies, on bilateral relations, on Washington's many national security resources, and on press freedom problems overseas. Credit only granted for: JOUR628N or JOUR762.

|      |                            |                  |
|------|----------------------------|------------------|
| 0101 | Karin Assmann, Dana Priest | Seats (Total: 5) |
|      | M 2:30pm - 5:15pm          | KNI 3200         |

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**JOUR652 Interactive Design and Development**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*Corequisite: Offered to students enrolled in the journalism master's degree or certificate. Master's degree students should take JOUR 504 as a pre- or co-requisite. Certificate students are encouraged to take JOUR 604 as a co-requisite. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR652 or JOUR352.*

*Conceptualize, wireframe, design and build responsive Web pages using HTML, style sheets and other coding tools; work with open source interactive tools and JavaScript libraries to create charts, timelines and maps to tell stories.*

|   |                    |                   |
|---|--------------------|-------------------|
| 0101  | Sean Henderson     | Seats (Total: 14) |
|   | Th 7:00pm - 9:45pm | KNI 2105          |
| PCJ1  | Mark Smith         | Seats (Total: 15) |
|   | Sa 1:30pm - 5:15pm | KNI 2105          |
| <i>Restricted to students in the Multimedia Journalism Certificate program. The course runs from Sept. 9, 2017 to Dec. 16, 2017 and will not meet the following dates: Sept. 30, 2017, Oct. 21, 2017 and Nov. 25, 2017.</i> |                    |                   |

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**JOUR655 Advanced Online News Bureau**



(Perm req)

Credits: 6

Grading Method: Regular,  
Audit

*Prerequisite: JOUR603 or JOUR620; and (JOUR504 and JOUR652). Or permission of JOUR-Philip Merrill College of Journalism.*

*Advanced online journalism training. Students work as online reporters, editors and producers for a news site. Students also package copy from the print and broadcast news bureaus.*

Prerequisites: JOUR 620 and 652 or equivalent. Contact the instructor to obtain permission. Course shares space with JOUR355.

|      |  |                              |
|------|--|------------------------------|
| 0101 | Sean Mussenden<br>F 9:00am - 5:00pm  | Seats (Total: 4)<br>KNI 3210 |
| 0201 | Sean Mussenden, Brooke Auxier<br>Contact instructor or department for details. | Seats (Total: 4)             |

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## JOUR662

### Broadcast News Producing

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: Must have completed or be concurrently enrolled in JOUR661; and (JOUR603 and JOUR660). Also offered as: JOUR362. Credit only granted for: JOUR668B or JOUR662. Formerly: JOUR668B.*

*Learn and practice the basics of broadcast newscast producing. Design, write, edit and implement a news program.*

|      |   |   |
|------|---|---|
| 0101 | Cindy Wright<br>Tu 7:15pm - 9:15pm<br>W 2:00pm - 6:50pm | Seats (Total: 2)<br>TWS 0117<br>TWS 0117      Lab |
|------|---|---|

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## JOUR667

### Broadcast News Bureau

(Perm req)

Credits: 6

Grading Method: Regular,  
Audit

*Prerequisite: JOUR503; or students who have taken courses with comparable content may contact the department. And permission of JOUR-Philip Merrill College of Journalism.*

*Advanced broadcast journalism training. Students report as part of the College's Capital News Service program.*

Also offered as JOUR367.

|      |   |                   |
|------|---|-------------------|
| 0101 | Susan Katcef                                  | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |

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**JOUR668K      Topics in Broadcasting and Electronic Media; Video Innovation**

(Perm req)

Credits: 3                      Grading Method: Regular

*Advance research and analysis of selected topics in broadcast journalism.*

Prerequisite: JOUR661 and permission of the instructor (jdavidsb@umd.edu). Students will explore the intersection between social media, video and a live broadcast by creating new and innovative ways to "broadcast" news to an audience. The class will encourage an entrepreneurial spirit and give students the opportunity to produce a show from scratch, with content aired on UMTV and online. In addition to creating television, students will support the broadcast arm of Capital News Service by managing volunteers, filling in on the studio staff and producing special projects and graphics when necessary.

|      |                    |                  |
|------|--------------------|------------------|
| 0101 | Joshua Davidsburg  | Seats (Total: 2) |
|      | Tu 2:45pm - 5:30pm | TWS 0222B        |

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**JOUR668N      Topics in Broadcasting and Electronic Media; Producing National News**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*Advance research and analysis of selected topics in broadcast journalism.*

Prerequisite: JOUR620 or JOUR660; and permission of instructor. Students will explore what it takes to be a field producer at the network level. They will examine the conceptual, research, reporting, and writing skills that create in-depth television stories. They will study award-winning stories and meet their producers.

|      |                        |                  |
|------|------------------------|------------------|
| 0101 | Thomas Bettag          | Seats (Total: 2) |
|      | TuTh 11:00am - 12:15pm | KNI 3200         |

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**JOUR668R      Topics in Broadcasting and Electronic Media; 360-Video, Virtual Reality & Augmented Reality**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*Advance research and analysis of selected topics in broadcast journalism.*

Prerequisite: JOUR620 or JOUR660; and permission of Associate Dean Rafael Lorente (rlorente@umd.edu). Working with 360-degree cameras, students will learn to tell stories in these emerging media, as well as explore theoretical and ethical issues around the application of these technologies. The course will also explore motion sensing and area capture, as well as other technologies in order to build toward groundbreaking ways of presenting information and engaging audiences. Course meets at Newseum.

|      |                                 |                  |
|------|---------------------------------|------------------|
| 0101 | Steven Johnson, Mitchell Gelman | Seats (Total: 1) |
|      | F 10:00am - 1:45pm              | Location: TBA    |

**JOUR668V**      **Topics in Broadcasting and Electronic Media; Advanced Video Storytelling**

(Perm req)

Credits: 3      Grading Method: Regular, Audit

*Advance research and analysis of selected topics in broadcast journalism.*

Prerequisite: JOUR661 and permission of instructor. Students will learn advanced storytelling, shooting and editing techniques for multi- platform video, using character-driven, natural sound packages to produce in-depth projects on a common theme. A Partnership for Action Learning in Sustainability (PALS) course where students apply classroom learning to actual community needs.

|      |                   |                  |
|------|-------------------|------------------|
| 0101 | Bethany Swain     | Seats (Total: 3) |
|      | M 1:00pm - 4:00pm | TWS 0222B        |

**JOUR698      Special Problems in Communication**

(Perm req)

Credits: 1-3      Grading Method: Regular, Audit

*Independent study in area of the student's interest.*

**Contact department for information to register for this course.**

**JOUR702      Journalism Law and Ethics**

(Perm req)

Credits: 3      Grading Method: Regular, Audit

*Restriction: Must be in one of the following programs (Journalism - Master (Master's); Journalism Studies (Doctoral)) ; or permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR400, JOUR 600, JOUR700, or JOUR 702.*

*An examination of the legal rights and ethical problems and constraints of mass media, including libel, privacy, copyright, monopoly and contempt.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Sandra Banisky       | Seats (Total: 36) |
|      | TuTh 2:00pm - 3:15pm | KNI 1208          |

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**JOUR772      Methods in Computer-Assisted Reporting**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: Must have completed or be concurrently enrolled in JOUR501; or students who have taken courses with comparable content may contact the department.*

*Computer-assisted (database) journalism; obtaining, manipulating and analyzing complex government data for journalism projects.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Daniel Keating        | Seats (Total: 13) |
|      | TuTh 9:00am - 10:50am | KNI 2105          |

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**JOUR775      Quantitative Methods in Journalism and Public Communication Research**

Credits: 3      Grading Method: Regular,  
Audit

*Credit only granted for: JOUR701 or JOUR775. Formerly: JOUR701.*

*Logic and methods of quantitative data collection and statistical analysis as applied to journalism and public communication studies.*

|      |                     |                  |
|------|---------------------|------------------|
| 0101 | Ronald Yaros        | Seats (Total: 8) |
|      | F 10:00am - 12:45pm | KNI 2109         |

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**JOUR798      Master's Professional Fieldwork**

(Perm req)

Credits: 2-6      Grading Method: Sat-Fail

*Research for and preparation of news articles or programs for use in the media. Analysis of fieldwork experience using communication theory and research results. Fieldwork may be done independently or as an internship. Repeatable to a maximum of six credits.*

**Contact department for information to register for this course.**

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**JOUR799      Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**JOUR800      Introduction to Doctoral Study in Journalism and Public Communication**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Credit only granted for: JOUR700 or JOUR800. Formerly: JOUR700.*

*Basic skills in journalism and public communication research.*

0101

Sarah Oates

Seats (Total: 10)

W 9:00am - 11:45am

KNI 2109

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## JOUR888

### Doctoral Professional Field Work

Credits: 3-9

Grading Method: Regular,  
Audit

*Critical analysis of a phase of a professional field in journalism and public communication. Analysis of professional activity through personal observation. Evaluation of the purpose, process, effectiveness, and efficiency of professional activity. Recommendations for training and further research.*

**Contact department for information to register for this course.**

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## JOUR889

### Doctoral Tutorial in Journalism and Public Communication

Credits: 3-9

Grading Method: Regular,  
Audit

*Individual research in journalism and public communication.*

**Contact department for information to register for this course.**

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## JOUR898

### Pre-Candidacy Research

Credits: 1-8

Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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## JOUR899

### Doctoral Dissertation Research in Journalism and Mass Communication

(Perm req)

Credits: 6

Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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# JWST

# Jewish Studies

# Fall 2017

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## JWST219C

### Special Topics in Jewish Studies; Contemporary Israel: History and Society

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**JWST219D      Special Topics in Jewish Studies; Women in Israel**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**JWST219E      Special Topics in Jewish Studies; Writing Israel**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**JWST233      Why the Jews? Historical and Cultural Investigations**

Credits: 3                      Grading Method: Regular,                      General Education: DSHS,  
Pass-Fail, Audit                      DSHU, DVUP

*Restriction: Must not have completed HIST282, HIST283, JWST234, or JWST235. Also offered as: HIST287. Credit only granted for: JWST233 or HIST287.*

*Examines the history and culture of the Jews from the thirteenth century BCE/BC to the present through an examination of significant themes or problems (such as "religion" or "diaspora") that shape our understanding of the Jewish people. A primary focus in the course will be on texts, artifacts, and other cultural products by Jews and others that illustrate the history of the Jews help understand their cultural heritage.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Bernard Cooperman  | Seats (Total: 30) |
|      | MW 2:00pm - 3:15pm | KEY 0100          |

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**JWST262      Introduction to the Hebrew Bible/Old Testament**

Credits: 3                      Grading Method: Regular,                      CORE: HL                      General Education: DSHU  
Pass-Fail, Audit

*Also offered as: ENGL262. Credit only granted for: JWST262, HEBR223 or ENGL262. Formerly: HEBR223.*

*Origins of the Hebrew Bible (Old Testament), with attention to literary formations, archaeology, and social-political settings. Explorations of major questions, including who wrote the Bible, and when; relationships of the biblical tradition to the mythology and religious structures of ancient Israel's near eastern neighbors; and dynamics of politics, religious leadership, and law.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Matthew Suriano    | Seats (Total: 30) |
|      | MW 4:00pm - 5:15pm | KEY 0100          |

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**JWST272****Introduction to Jewish Literature**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: HL

General Education: DSHU,  
DVUP*Also offered as: CMLT242. Credit only granted for: CMLT242 or JWST272.**A survey of Jewish literature and introduction to methods of reading literature in general and Jewish literature in particular. Concern with what makes a literary corpus Jewish and other issues of canonicity. All texts in English translation.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Adi Mahalel          | Seats (Total: 35) |
|      | TuTh 3:30pm - 4:45pm | ONLINE            |

**JWST282****Elementary Yiddish II**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit*Prerequisite: JWST281; or permission of ARHU-Meyerhoff Program & Center for Jewish Studies.**Continuation of JWST281.**Also offered as GERM149Z. Credit granted for JWST282 or GERM149Z.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Adi Mahalel           | Seats (Total: 15) |
|      | TuTh 12:30pm - 1:45pm | SQH 1125          |

**JWST289A****New Explorations in Jewish Studies; The Million that's gone: The Jews of Muslim Lands in Modern Time**

Credits: 3

Grading Method: Regular,  
Pass-Fail, AuditGeneral Education: DSHS,  
DVUP*Investigation of critical and innovative responses in Jewish Studies. Although the topic will vary, the course will encourage intellectual exploration by students of fundamental problems and critical methods.**Also offered as HIST219C. Credit granted for JWST289A or HIST219C. Examines the complex and fraught history of the Jews of Muslim lands in modern times, a population reduced from about one million a century ago to several tens of thousands today.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Shay Hazkani           | Seats (Total: 30) |
|      | TuTh 11:00am - 12:15pm | HJP 2118          |

**JWST289E****New Explorations in Jewish Studies; Civil Discourse or Urban Riot: Why Cities Don't (Often) Explode**

|            |  |  |
|------------|--|--|
| Credits: 3 | Grading Method: Regular,<br>Pass-Fail, Audit | General Education: DSHS,<br>DVUP, SCIS |
|------------|--|--|

*Investigation of critical and innovative responses in Jewish Studies. Although the topic will vary, the course will encourage intellectual exploration by students of fundamental problems and critical methods.*

Also offered as HIST135. Credit granted for HIST135 or JWST289E. An examination of the mechanisms that promote peaceful co-existence in urban societies and a discussion of how and why city streets sometimes become violent.

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Bernard Cooperman    | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | ESJ 2204          |            |
|      | W 9:00am - 9:50am    | KEY 0121          | Discussion |
| 0102 | Bernard Cooperman    | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | ESJ 2204          |            |
|      | M 1:00pm - 1:50pm    | KEY 0117          | Discussion |
| 0103 | Bernard Cooperman    | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | ESJ 2204          |            |
|      | M 2:00pm - 2:50pm    | ASY 3217          | Discussion |
| 0104 | Bernard Cooperman    | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | ESJ 2204          |            |
|      | W 10:00am - 10:50am  | KEY 0121          | Discussion |

## **JWST289J      Jerusalem in Antiquity: The History of Sacred Space in a Holy City**

|            |  |  |
|------------|--|--|
| Credits: 3 | Grading Method: Regular,<br>Pass-Fail, Audit | General Education: DSHU,<br>DVUP, SCIS |
|------------|--|--|

Also offered as RELS289J. Credit will be granted for JWST289J or RELS289J. The questions of sacred space through the topic of Jerusalem are explored. The study of Jerusalem's history as a holy city reveals the many ways by which sacred space is constructed. It will also examine the development of places that continue to hold great sanctity in Judaism (the Western Wall), Christianity (the Church of the Holy Sepulchre and the Mount of Olives), and Islam (the Dome of the Rock and the Al-Aqsa Mosque on the Haram ash-Sharif).

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Matthew Suriano      | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | ASY 2309          |            |
|      | W 1:00pm - 1:50pm    | ASY 3217          | Discussion |



|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0102 | Matthew Suriano      | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | ASY 2309          |            |
|      | F 11:00am - 11:50am  | WDS 1130          | Discussion |
| 0103 | Matthew Suriano      | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | ASY 2309          |            |
|      | F 12:00pm - 12:50pm  | ASY 3215          | Discussion |
| 0104 | Matthew Suriano      | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | ASY 2309          |            |
|      | F 1:00pm - 1:50pm    | ASY 3217          | Discussion |

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**JWST319B      Special Topics in Jewish Studies; Arab-Israeli Relations**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics in Jewish Studies.*

**Contact department for information to register for this course.**

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**JWST319E      Special Topics in Jewish Studies; Literature of the Shoah**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics in Jewish Studies.*

**Contact department for information to register for this course.**

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**JWST319M      Special Topics in Jewish Studies; Beyond Black and White: Jews and Representations of Race**

Credits: 3                      Grading Method: Regular,                      General Education: DSHU,  
Pass-Fail, Audit                      DVUP

*Topics in Jewish Studies.*

Also offered as ISRL349Z. Credit granted for ISRL349Z or JWST319M. An examination of Western constructions and representations of 'race' from medieval times to the modern rise of Zionism and the founding of Israel, with a focus on how Jews utilized the racial discourses of each period to negotiate their position within Western history.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Shirelle Doughty           | Seats (Total: 40) |
|      | Class time/details on ELMs | ONLINE            |

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**JWST326      Jews and Judaism in Antiquity II: First through Seventh Centuries**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSHS,  
DSSP, DVUP

*Also offered as: HIST371. Credit only granted for: HIST371 or JWST326.*

*Political, social, and religious history of the Jews from the destruction of the Jerusalem Temple in 70 CE to the Muslim conquests. Special attention to the political transformations in Judaism under late Roman Christianity, and the rise of the Rabbinic movement.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Hayim Lapin        | Seats (Total: 30) |
|      | Tu 4:00pm - 6:30pm | KEY 0100          |

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**JWST341                      American Jewish Literature**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Also offered as: ENGL331. Credit only granted for: ENGL379L (Spring 2013), HONR229G (Spring 2008), JWST319T(Spring 2013), ENGL331, or JWST341. Formerly: ENGL379L and JWST319T.*

*An exploration of the role played by literature in the development of American Jewish ethnic identity. Primary materials include essays, poetry, plays, short stories, novels, films and music.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Sheila Jelen          | Seats (Total: 25) |
|      | TuTh 9:30am - 10:45am | TWS 0221          |

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**JWST346                      Representing the Holocaust**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSHU

*Also offered as: ENGL332. Credit only granted for: ENGL379J, JWST419I, ENGL332, or JWST346. Formerly: ENGL379J and JWST419I.*

*Different perspectives on how the Holocaust should be represented. Examination of a wide range of texts including fiction, memoirs, critical essays, poems and films in different languages (in translation). Emphasis on the international and comparative nature of Holocaust literary studies and investigation into the propriety of literary representation of historical catastrophe. Consideration of our own role as readers serving as witnesses to an event that has marked itself indelibly in the aesthetic history of the twentieth century.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Sheila Jelen           | Seats (Total: 35) |
|      | TuTh 11:00am - 12:15pm | TWS 0236          |

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**JWST369A                      Special Topics in Study Abroad III; The Holocaust: 20th Century Jewish Thought**

Credits: 1-6                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**JWST369R      Special Topics in Study Abroad III; Italy and the Jews: History and Culture from the Renaissance to the Present**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**JWST370      Before the Holocaust: The Golden Age of Eastern European Jewry**

Credits: 3                      Grading Method: Regular,                      General Education: DSHS,  
Pass-Fail, Audit                      DVUP

*Credit only granted for: JWST419E, JWST370, or HIST419Q. Formerly: JWST419E.*

*An exploration of the history of the Jews of Eastern Europe from the period of the Polish Lithuanian Commonwealth until the Holocaust. Topics to be covered include religious, political, social, and cultural transformation of Jewish life in Eastern Europe in the context of the general political changes in the area.*

Also offered as HIST419Q.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Rachel Manekin        | Seats (Total: 30) |
|      | TuTh 9:30am - 10:45am | SQH 1107          |

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**JWST386      Experiential Learning in Jewish Studies**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Permission of ARHU-Meyerhoff Program & Center for Jewish Studies. Restriction: Junior standing or higher.*

*The Jewish Studies Program's internship program. Pre-professional experience in research, analysis, and writing related to Jewish Studies in a variety of work settings.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Instructor: TBA                               | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |

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**JWST409A      Research Seminar in Jewish Studies; Literature and Jewish Life in Eastern Europe**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP

*A capstone course for Jewish Studies. Guides students through advanced source material and subject matter, research skills, and presentation techniques. A substantive paper based on independent research and analysis is one expected outcome.*

|      |                      |                  |
|------|----------------------|------------------|
| 0101 | Rachel Manekin       | Seats (Total: 7) |
|      | TuTh 3:30pm - 4:45pm | SQH 1125         |

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**JWST419V      Special Topics in Jewish Studies; Understanding Jewish Religious Experience**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

Also offered as RELS419V. Credit granted for JWST419V or RELS419V. Explores the concept of "religious experience" -- including mysticism, heavenly ascents, and altered consciousness -- and considers whether such experiences are central to the Jewish religious tradition. Draws upon recent work in sociology, psychology, and cognitive studies of religion, while using examples from the history of Judaism and contemporary Jewish culture.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Maxine Grossman    | Seats (Total: 30) |
|      | MW 2:00pm - 3:15pm | SQH 1121          |

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**JWST429B      Advanced Topics in Jewish Studies; Classical Arabic Philosophy by Muslims and Jews**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: DSHU

*Special topics at an advanced level for Jewish Studies. Primarily intended for majors and graduate students.*

Also offered as PHIL428B. Credit granted for PHIL428B or JWST429B. This course is an introduction to classical Arabic philosophy from the ninth to the thirteenth centuries of the Christian era. But unlike most courses on this topic, we shall not be reading philosophy solely by Muslims but also by Jews (and maybe Christians). In a sense, the course is best described by the title of the book by Dimitri Gutas, "Greek Thought, Arabic Culture".

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Charles Manekin   | Seats (Total: 30) |
|      | M 3:30pm - 6:00pm | KEY 0123          |

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**JWST429D      Advanced Topics in Jewish Studies; 1967 and its Aftermath: How they Changed Israel and the Mideast**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics at an advanced level for Jewish Studies. Primarily intended for majors and graduate students.*

Also offered as ISRL448T and HIST428X. Credit granted for ISRL448T, HIST428X, or JWST429D. The Six Day/June War of 1967 helped set into motion a series of events that reverberate today. This seminar will examine the results of the war, focusing primarily on the Israeli Occupation of the West Bank, the ensuing radical transformation of Israeli policy towards Palestinians, and its impact on their daily lives. It will also examine Palestinian resistance to the Occupation, including the use of terror against civilians.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Shay Hazkani       | Seats (Total: 30) |
|      | MW 2:00pm - 3:15pm | HJP 4120          |

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**JWST459M      Readings in Medieval Hebrew; Moses Maimonides' Religious and Ethical Thought**

Credits: 3      Grading Method: Regular,      General Education: DSHU  
Pass-Fail, Audit

*Readings and analysis of Hebrew texts and literature from the Middle Ages. Language of instruction in English; all texts in Hebrew.*

Also offered as PHIL428M. Credit granted for PHIL428M or JWST459M. A seminar in the philosophy of Moses Maimonides, the great medieval Jewish religious thinker. The course will focus on the disputed questions in the interpretation of Maimonides, such as his views on Divine attributes, creation, providence, prophecy, the rationale of the Law, moral and intellectual perfection, and the limitations of human knowledge. No knowledge of Hebrew or Arabic is required.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Charles Manekin    | Seats (Total: 15) |
|      | Th 2:00pm - 4:30pm | SQH 4116          |

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**JWST499      Independent Study in Jewish Studies; Independent Study in Jewish Studies**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

Prerequisite: permission of department.

**Contact department for information to register for this course.**

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**JWST600      General Seminar in Jewish Studies**

Credits: 3      Grading Method: Regular

*Introduce graduate students to the fields, problems, and basic methods of research in the contemporary practice of Jewish Studies. Consideration of chronological and historiographical problems, questions of the development of Jewish thought and literature and Jewish religious and cultural history in four rough chronological periods: Biblical Israel, Judaism in Antiquity, Judaism in the Middle Ages and Early Modern Period, and Modern Judaism.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Matthew Suriano   | Seats (Total: 12) |
|      | M 6:30pm - 9:00pm | SQH 4135          |

### **JWST648**

#### **Readings in Jewish History**

(Perm req)

Credits: 3      Grading Method: Regular

*Focus on the central issues in Jewish history as well as the key historiographical debates on those issues.*

Prerequisite: permission of department. Repeatable to 9 credits if content differs. Focus on the central issues in Jewish history as well as the key historiographical debates on those issues.

**Contact department for information to register for this course.**

### **JWST658**

#### **Readings in Jewish Thought and Culture**

(Perm req)

Credits: 3      Grading Method: Regular

*Examines key issues in the development of Jewish thought and culture.*

Prerequisite: permission of department. Repeatable to 9 credits if content differs. Examines key issues in the development of Jewish thought and culture.

**Contact department for information to register for this course.**

### **JWST678**

#### **Readings in Jewish Literature**

(Perm req)

Credits: 3      Grading Method: Regular

*Examines selected themes or literatures in the development of Jewish literary traditions.*

Prerequisite: permission of department. Repeatable to 9 credits if content differs. Examines selected themes on literatures in the development of Jewish literary traditions.

**Contact department for information to register for this course.**

### **JWST699**

#### **Independent Graduate Readings in Jewish Studies**

(Perm req)

Credits: 1-3      Grading Method: Regular

*Independent readings or guided research in a field of Jewish Studies with a member of the Jewish Studies graduate faculty.*

**Contact department for information to register for this course.**

### **JWST699N**

#### **Independent Graduate Readings in Jewish Studies; Middle East Studies Graduate Colloquium**

Credits: 1      Grading Method: Regular

*Independent readings or guided research in a field of Jewish Studies with a member of the Jewish Studies graduate faculty.*

Also offered as JWST699N. Credit granted for HIST619Z or JWST699N. Contact instructor for information, pwien@umd.edu.

|   |                 |                   |
|---|-----------------|-------------------|
| 0101  | Instructor: TBA | Seats (Total: 20) |
| Contact instructor or department for details. |                 |                   |

## JWST799

### Masters Thesis Research

(Perm req)

Credits: 3      Grading Method: Regular, Sat-Fail

*Research and Writing the Masters Thesis in Jewish Studies.*

Prerequisite: permission of department.

**Contact department for information to register for this course.**

## KNES

## Kinesiology

## Fall 2017

### KNES100N

#### Physical Education Activities: Coed; Basketball (Beginning)

Credits: 1      Grading Method: Regular, Pass-Fail

Attendance is required of all students beginning the first day of class. Schedule adjustment is the first week of classes only. Students must pay a \$40 instructional materials fee.

|   |                 |                   |
|---|-----------------|-------------------|
| 0001  | Andrew Ginsberg | Seats (Total: 32) |
| <b>Meets August 28, 2017 - October 13, 2017</b>   |                 |                   |
| TuTh 8:00am - 10:00am                             |                 | ERC 0135      Lab |
| <i>Meets first 7 weeks.</i>                       |                 |                   |
| 0002  | Andrew Ginsberg | Seats (Total: 32) |
| <b>Meets October 16, 2017 - December 11, 2017</b> |                 |                   |
| TuTh 8:00am - 10:00am                             |                 | ERC 0135      Lab |
| <i>Meets second 7 weeks.</i>                      |                 |                   |

### KNES100O

#### Physical Education Activities: Coed; Basketball (Intermediate)

Credits: 2      Grading Method: Regular, Pass-Fail

Attendance is required of all students beginning the first day of class. Students must pay a \$40 instructional materials fee.

|      |  |                   |     |
|------|--|-------------------|-----|
| 0001 | Timothy Henkel                               | Seats (Total: 32) |     |
|      | MW 12:00pm - 2:00pm                          | ERC 0135          | Lab |
|      | <i>This section is for KNES Majors only.</i> |                   |     |
| 0003 | Gina Garcia                                  | Seats (Total: 32) |     |
|      | MW 10:00am - 12:00pm                         | ERC 0135          | Lab |
|      | <i>This section is for KNES Majors only.</i> |                   |     |
| 0004 | Andrew Ginsberg                              | Seats (Total: 32) |     |
|      | TuTh 12:00pm - 2:00pm                        | ERC 0135          | Lab |
|      | <i>This section is for KNES Majors only.</i> |                   |     |

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**KNES131O      Physical Education Activities: Coed; Jogging (Intermediate)**

Credits: 2                      Grading Method: Regular,  
Pass-Fail

Students must pay a \$40 instructional materials fee. Attendance is required of all students beginning the first day of class.

|      |  |                   |     |
|------|--|-------------------|-----|
| 0001 | Andrea Romeo                                 | Seats (Total: 40) |     |
|      | TuTh 2:00pm - 4:00pm                         | ARM 1122          | Lab |
|      | <i>This section is for KNES Majors only.</i> |                   |     |

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**KNES131V      Physical Education Activities: Coed; Jogging (BEGINNING)**

Credits: 2                      Grading Method: Regular,  
Pass-Fail

Attendance is required of all students beginning the first day of class. Students must pay a \$40 instructional materials fee.

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0001 | Timothy Henkel        | Seats (Total: 40) |     |
|      | MW 2:00pm - 4:00pm    | ARM 1122          | Lab |
| 0002 | Mike Hamberger        | Seats (Total: 40) |     |
|      | TuTh 12:00pm - 2:00pm | ARM 1122          | Lab |

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**KNES134O      Physical Education Activities: Coed; Bowling (Intermediate)**



Credits: 1                      Grading Method: Regular,  
Pass-Fail

Attendance is required the first day of class. Students must pay a \$40 instructional materials fee.  
Bowling shoes are required (can be rented). Schedule adjustment is the first week of classes only.

|      |   |                     |
|------|---|---------------------|
| 0001 | Timothy Henkel                                  | Seats (Total: 40)   |
|      | <b>Meets August 28, 2017 - October 13, 2017</b> |                     |
|      | TuTh 8:00am - 10:00am                           | SSU B0106C      Lab |
|      | <i>This section is for KNES Majors only.</i>    |                     |

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|      |   |                     |
|------|---|---------------------|
| 0002 | Timothy Henkel                                    | Seats (Total: 40)   |
|      | <b>Meets October 16, 2017 - December 11, 2017</b> |                     |
|      | TuTh 8:00am - 10:00am                             | SSU B0106C      Lab |
|      | <i>This section is for KNES Majors only.</i>      |                     |

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**KNES137N      Physical Education Activities: Coed; Golf (Beginning)**

Credits: 1                      Grading Method: Regular,  
Pass-Fail

Attendance is required the first day of class. Schedule adjustment is the first week of class only.  
Students must pay a \$40 instructional materials fee directly to the golf course.

|      |   |                   |
|------|---|-------------------|
| 0001 | Jeff Maynor                                     | Seats (Total: 25) |
|      | <b>Meets August 28, 2017 - October 13, 2017</b> |                   |
|      | MW 10:00am - 12:00pm                            | GLF 1102      Lab |
|      | <i>This section is for KNES Majors Only.</i>    |                   |

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**KNES137O      Physical Education Activities: Coed; Golf (Intermediate)**

Credits: 1                      Grading Method: Regular,  
Pass-Fail

Attendance is required the first day of class. Schedule adjustment is the first week of class only.  
Students must pay a \$40.00 instructional materials fee directly to golf course.

|      |   |                   |
|------|---|-------------------|
| 0001 | Jeff Maynor                                     | Seats (Total: 25) |
|      | <b>Meets August 28, 2017 - October 13, 2017</b> |                   |
|      | MW 12:00pm - 2:00pm                             | GLF 1102      Lab |

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**KNES140A      Physical Education Activities: Coed; General Gymnastics (Beginning)**

Credits: 1                      Grading Method: Regular,  
   Pass-Fail

Schedule Adjustment is the first week of classes only. Attendance is required the first day of class.  
Meets the second seven weeks only. Students must pay a \$40 instructional materials fee.

|      |   |                   |     |
|------|---|-------------------|-----|
| 0001 | Joshua Montfort                                   | Seats (Total: 24) |     |
|      | <b>Meets October 16, 2017 - December 11, 2017</b> |                   |     |
|      | MW 10:00am - 12:00pm                              | SPH 1120          | Lab |
|      | <i>This section is for KNES Majors Only.</i>      |                   |     |

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**KNES140V      Physical Education Activities: Coed; Tumbling and Balancing (Beginning)**

Credits: 1                      Grading Method: Regular,  
   Pass-Fail

Schedule adjustment is the first week of classes only. Attendance is required beginning the first day of class. Meets the first seven weeks only. Students must pay a \$40 instructional materials fee.

|      |   |                   |     |
|------|---|-------------------|-----|
| 0001 | Joshua Montfort                                 | Seats (Total: 24) |     |
|      | <b>Meets August 28, 2017 - October 13, 2017</b> |                   |     |
|      | MW 10:00am - 12:00pm                            | SPH 1120          | Lab |

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**KNES144Q      Physical Education Activities: Coed; Martial Arts, Karate (Beginning)**

Credits: 2                      Grading Method: Regular,  
   Pass-Fail

Attendance is required of all students beginning the first day of class. Students must pay a \$40 instructional materials fee.

|      |  |                   |     |
|------|--|-------------------|-----|
| 0001 | Kenneth Klotz                                | Seats (Total: 32) |     |
|      | MW 10:00am - 12:00pm                         | SPH 0107          | Lab |
|      | <i>This section is for KNES Majors Only.</i> |                   |     |

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**KNES144R      Physical Education Activities: Coed; Intermediate Karate**

Credits: 2                      Grading Method: Regular,  
   Pass-Fail

Attendance on the first day of class is required. Students must pay a \$40 instructional materials fee.

|      |                     |                   |     |  |
|------|---------------------|-------------------|-----|--|
| 0001 | Kenneth Klotz       | Seats (Total: 32) |     |  |
|      | MW 12:00pm - 2:00pm | SPH 0107          | Lab |  |

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**KNES144T      Physical Education Activities: Coed; Self-Defense (Beginning)**

Credits: 2                      Grading Method: Regular,  
Pass-Fail

Attendance is required of all students beginning the first day of class. Students must pay a \$40 instructional materials fee.

|      |                     |                   |     |  |
|------|---------------------|-------------------|-----|--|
| 0001 | Kenneth Klotz       | Seats (Total: 35) |     |  |
|      | MW 8:00am - 10:00am | SPH 0107          | Lab |  |

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**KNES152N      Physical Education Activities: Coed; Soccer (Beginning)**

Credits: 1                      Grading Method: Regular,  
Pass-Fail

Schedule Adjustment Period is the first week of classes only. Students are required to attend classes beginning first day of classes. Students must pay a \$40 instructional materials fee.

|      |   |                   |     |  |
|------|---|-------------------|-----|--|
| 0001 | Andrew Ginsberg                                 | Seats (Total: 24) |     |  |
|      | <b>Meets August 28, 2017 - October 13, 2017</b> |                   |     |  |
|      | MW 12:00pm - 2:00pm                             | ARM 1122          | Lab |  |
|      | <i>This section is for KNES Majors Only.</i>    |                   |     |  |

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**KNES152O      Physical Education Activities: Coed; Soccer (Intermediate)**

Credits: 1                      Grading Method: Regular,  
Pass-Fail

Attendance is required beginning the first day of class. Schedule adjustment is the first week of classes only. Students must pay a \$40 instructional materials fee.

|      |   |                   |     |  |
|------|---|-------------------|-----|--|
| 0001 | Andrew Ginsberg                                   | Seats (Total: 24) |     |  |
|      | <b>Meets October 16, 2017 - December 11, 2017</b> |                   |     |  |
|      | MW 12:00pm - 2:00pm                               | ARM 1122          | Lab |  |
|      | <i>This section is for KNES Majors only.</i>      |                   |     |  |

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**KNES154N      Physical Education Activities: Coed; Swimming (Beginning)**

Credits: 1                      Grading Method: Regular,  
Pass-Fail

Beginning Swimming is strictly for Non-swimmers. Attendance is required on the first day of class. Students must pay a \$40 instructional materials fee.

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0001 | Ronald Willoughby   | Seats (Total: 22) |     |
|      | MW 12:00pm - 1:15pm | ERC B0120         | Lab |

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**KNES154O      Physical Education Activities: Coed; Swimming (Intermediate)**

Credits: 1                      Grading Method: Regular,  
Pass-Fail

Attendance on the first day of class is required of all students. Students must pay a \$40 instructional materials fee.

|      |  |                   |     |
|------|--|-------------------|-----|
| 0001 | Natalie Taylor                               | Seats (Total: 22) |     |
|      | TuTh 1:00pm - 2:15pm                         | ERC B0120         | Lab |
|      | <i>This section is for KNES Majors only.</i> |                   |     |

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**KNES154P      Physical Education Activities: Coed; Swimming (Advanced)**

Credits: 2                      Grading Method: Regular,  
Pass-Fail

Attendance on the first day of class is required of all students. Students must pay a \$40 instructional materials fee.

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0001 | Ronald Willoughby   | Seats (Total: 22) |     |
|      | MW 9:00am - 11:00am | ERC B0120         | Lab |

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**KNES154W      Physical Education Activities: Coed; Swimming/Lifeguard Training**

Credits: 2                      Grading Method: Regular,  
Pass-Fail

Prerequisite: Advanced swimming ability. Attendance on the first day of class is required of all students. Students must qualify to stay in class by passing a swim test on the first day of class. Students must pay a \$40 instructional materials fee.

|      |                                  |                   |     |
|------|----------------------------------|-------------------|-----|
| 0001 | Yvonne Taylor, Ronald Willoughby | Seats (Total: 22) |     |
|      | MW 10:00am - 12:00pm             | ERC B0120         | Lab |

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**KNES155N      Physical Education Activities: Coed; Tennis (Beginning)**

Credits: 1                      Grading Method: Regular,  
Pass-Fail

Attendance is required of all students on the first day of class. Students must pay a \$40 instructional materials fee.

|      |   |   |
|------|---|---|
| 0001 | Alexander Chyu<br><b>Meets August 28, 2017 - October 13, 2017</b><br>MW 10:00am - 12:00pm<br><i>This section is for KNES Majors Only.</i> | Seats (Total: 32)<br><br>Location: TBA      Lab |
| 0002 | Alexander Chyu<br><b>Meets August 28, 2017 - October 13, 2017</b><br>MW 12:00pm - 2:00pm<br><i>This section is for KNES Majors Only.</i>  | Seats (Total: 32)<br><br>Location: TBA      Lab |
| 0003 | Alexander Chyu<br><b>Meets August 28, 2017 - October 13, 2017</b><br>MW 2:00pm - 4:00pm   | Seats (Total: 32)<br><br>Location: TBA      Lab |

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**KNES157N      Physical Education Activities: Coed; Weight Training (Beginning)**

Credits: 1                      Grading Method: Regular,  
Pass-Fail

Attendance is required of all students beginning the first day of class. Students must pay a \$40 instructional materials fee.

|      |  |  |
|------|--|--|
| 0001 | Tori Thompson<br>MW 10:00am - 11:15am    | Seats (Total: 28)<br>SPH 0103      Lab |
| 0002 | Mike Hamberger<br>MW 1:00pm - 2:15pm     | Seats (Total: 28)<br>SPH 0103      Lab |
| 0003 | Tori Thompson<br>MW 2:00pm - 3:15pm      | Seats (Total: 28)<br>SPH 0103      Lab |
| 0004 | Terrel Everette<br>TuTh 9:30am - 10:45am | Seats (Total: 28)<br>SPH 0103      Lab |



Schedule Adjustment Period is the first week of class only. All students are required to attend the first day of class. Students must pay a \$40 instructional materials fee.

|      |   |                   |
|------|---|-------------------|
| 0001 | Alexander Chyu                                    | Seats (Total: 32) |
|      | <b>Meets October 16, 2017 - December 11, 2017</b> |                   |
|      | MW 12:00pm - 2:00pm                               | SPH 2101 Lab      |
|      | <i>This section is for KNES Majors only.</i>      |                   |
| 0002 | Steven Kahl                                       | Seats (Total: 32) |
|      | <b>Meets October 16, 2017 - December 11, 2017</b> |                   |
|      | TuTh 2:00pm - 4:00pm                              | SPH 2101 Lab      |
|      | <i>This section is for KNES Majors only.</i>      |                   |

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**KNES161F Physical Education Activities: Coed; Yoga for Fitness (Beginning)**

Credits: 1                      Grading Method: Regular,  
Pass-Fail

Attendance on the first day of class is required. Students must pay a \$40 instructional materials fee.

|      |  |                   |
|------|--|-------------------|
| 0001 | Laura Rush                                   | Seats (Total: 36) |
|      | TuTh 3:00pm - 4:15pm                         | SPH 0107 Lab      |
|      | <i>This section is for KNES Majors only.</i> |                   |

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**KNES161T Physical Education Activities: Coed; Yoga**

Credits: 1                      Grading Method: Regular,  
Pass-Fail

**Contact department for information to register for this course.**

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**KNES200U Introduction to Kinesiology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in Kinesiology program; and freshman standing. Or must not be in Kinesiology program; and must have less than 60 credits. Credit only granted for: KNES200 or KNES289M.*

*An overview of kinesiology, the interdisciplinary study of physical activity. Examines human motor behavior and its cultural forms such as sport from the physiological, psychological, sociological, historical, philosophical, and biomechanical perspectives.*

**Contact department for information to register for this course.**

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**KNES201      Kinesiological Principles of Physical Activity**

Credits: 1                      Grading Method: Regular,  
Pass-Fail

*Corequisite: Any physical activity course, e.g., KNES 100-190; or permission of SPHL-Kinesiology department. Restriction: Must be in a major in SPHL-School of Public Health. Credit only granted for: KNES200 or KNES201.*

*An introduction to Kinesiology, the study of human movement, through the experience of learning a specific motor skill or being engaged in physical activity. Emphasis on the theories and knowledge underlying the learning and performance of all motor and sport skills.*

KNES Majors Only.

|      |  |   |
|------|--|---|
| 0101 | Andrea Romeo<br><b>Meets August 28, 2017 - October 14, 2017</b><br>M 11:00am - 11:50am<br>Class time/details on ELMs   | Seats (Total: 25)<br><br>SPH 0308<br>ONLINE |
| 0102 | Andrea Romeo<br><b>Meets October 15, 2017 - December 11, 2017</b><br>M 11:00am - 11:50am<br>Class time/details on ELMs | Seats (Total: 25)<br><br>SPH 0308<br>ONLINE |
| 0103 | Steven Kahl<br><b>Meets August 28, 2017 - October 14, 2017</b><br>W 11:00am - 11:50am<br>Class time/details on ELMs    | Seats (Total: 25)<br><br>SPH 0303<br>ONLINE |
| 0104 | Steven Kahl<br><b>Meets October 15, 2017 - December 11, 2017</b><br>W 11:00am - 11:50am<br>Class time/details on ELMs  | Seats (Total: 25)<br><br>SPH 0303<br>ONLINE |
| 0105 | Shaun Edmonds<br><b>Meets August 28, 2017 - October 14, 2017</b><br>M 2:00pm - 2:50pm<br>Class time/details on ELMs    | Seats (Total: 25)<br><br>SPH 0307<br>ONLINE |



|      |   |   |
|------|---|---|
| 0106 | Shaun Edmonds<br><b>Meets October 15, 2017 - December 11, 2017</b><br>M 2:00pm - 2:50pm<br>Class time/details on ELMs   | Seats (Total: 25)<br><br>SPH 0307<br>ONLINE |
| 0109 | Andrew Ginsberg<br><b>Meets August 28, 2017 - October 14, 2017</b><br>M 3:00pm - 3:50pm<br>Class time/details on ELMs   | Seats (Total: 25)<br><br>SPH 0307<br>ONLINE |
| 0110 | Andrew Ginsberg<br><b>Meets October 15, 2017 - December 11, 2017</b><br>M 3:00pm - 3:50pm<br>Class time/details on ELMs | Seats (Total: 25)<br><br>SPH 0307<br>ONLINE |

## KNES214

### Science and Methods of Personal Fitness Instruction

Credits: 3

Grading Method: Regular

General Education: DSSP

*Credit only granted for: KNES214 or KNES210 and KNES211, or KNES210 and KNES212, or KNES289N. Formerly: KNES210/KNES211, KNES210/KNES212, and KNES289N.*

*Basic concepts of human anatomy, exercise physiology, applied kinesiology, nutrition and the physiology of exercise training. Includes the CORE knowledge required for the American Council on Exercise (ACE) Personal Trainer certification.*

|      |   |  |
|------|---|--|
| 0101 | Rosemary Lindle<br>Class time/details on ELMs<br>M 8:00am - 10:00am | Seats (Total: 25)<br><br>ONLINE<br>SPH 0305      Lab |
| 0102 | Rosemary Lindle<br>Class time/details on ELMs<br>W 8:00am - 10:00am | Seats (Total: 25)<br><br>ONLINE<br>SPH 0303      Lab |

## KNES260

### Science of Physical Activity and Cardiovascular Health

Credits: 3

Grading Method: Regular,  
Pass-Fail

CORE: LS

General Education: DSNS

Course details (1) the public health importance of and the processes underlying cardiovascular disease, (2) the risk factors for cardiovascular disease and the methods whereby they were identified, and (3) the principles of the scientific evidence supporting the use of physical activity to prevent cardiovascular disease.

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | James Hagberg        | Seats (Total: 20) |            |
|      | MW 12:00pm - 12:50pm | ATL 2324          |            |
|      | M 9:00am - 9:50am    | SPH 0225          | Discussion |
| 0103 | James Hagberg        | Seats (Total: 20) |            |
|      | MW 12:00pm - 12:50pm | ATL 2324          |            |
|      | M 11:00am - 11:50am  | SPH 0225          | Discussion |

## **KNES282 Basic Care and Prevention of Athletic Injuries**

Credits: 3      Grading Method: Regular,  
Pass-Fail

*Restriction: Must be in a major within the SPHL-Kinesiology department. Credit only granted for: KNES282 or KNES381.*

*Theoretical and practical foundations of the prevention, treatment and rehabilitation of athletically related injuries. Topics include: physical conditioning, preventive taping, recognition of injuries, first aid and CPR.*

KNES Majors only.

|  |                      |                   |  |
|--|----------------------|-------------------|--|
| 0101   | Joanne Klossner      | Seats (Total: 40) |  |
|  | TuTh 2:00pm - 3:15pm | SPH 0308          |  |
| <i>This section is for KNES Majors Only.</i> |                      |                   |  |

## **KNES287 Sport and American Society**

Credits: 3      Grading Method: Regular,      CORE: SB, D      General Education: DSHS,  
Pass-Fail      DVUP

*Sport will be related to such social problems as delinquency, segregation, collective behavior, and leisure; to social processes such as socialization, stratification, mobility, and social control; and to those familiar social institutions the family, the school, the church, the military, the economy, the polity, and the mass media.*

|      |                    |                   |            |
|------|--------------------|-------------------|------------|
| 0101 | David Andrews      | Seats (Total: 22) |            |
|      | MW 2:00pm - 2:50pm | SPH 1312          |            |
|      | M 8:00am - 8:50am  | SPH 0303          | Discussion |

|      |   |                   |            |
|------|---|-------------------|------------|
| 0102 | David Andrews   | Seats (Total: 22) |            |
|      | MW 2:00pm - 2:50pm                                    | SPH 1312          |            |
|      | M 9:00am - 9:50am                                     | SPH 0303          | Discussion |
| 0103 | David Andrews   | Seats (Total: 22) |            |
|      | MW 2:00pm - 2:50pm                                    | SPH 1312          |            |
|      | M 10:00am - 10:50am                                   | SPH 0303          | Discussion |
| 0104 | David Andrews   | Seats (Total: 22) |            |
|      | MW 2:00pm - 2:50pm                                    | SPH 1312          |            |
|      | W 10:00am - 10:50am                                   | SPH 0305          | Discussion |
| 0105 | David Andrews   | Seats (Total: 22) |            |
|      | MW 2:00pm - 2:50pm                                    | SPH 1312          |            |
|      | W 9:00am - 9:50am                                     | SPH 0305          | Discussion |
| FC01 | Andrew Grainger                                       | Seats (Total: 40) |            |
|      | MW 6:00pm - 7:15pm                                    | SPH 1301          |            |
|      | <i>Restricted to students in Freshman Connection.</i> |                   |            |

## KNES287U

### Sport and American Society

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB, D      General Education: DSHS, DVUP

*Sport will be related to such social problems as delinquency, segregation, collective behavior, and leisure; to social processes such as socialization, stratification, mobility, and social control; and to those familiar social institutions the family, the school, the church, the military, the economy, the polity, and the mass media.*

**Contact department for information to register for this course.**

## KNES289

### Topical Investigations

(Perm req)

Credits: 1-3      Grading Method: Regular, Pass-Fail

*Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.*

Prerequisite: permission of department.

**Contact department for information to register for this course.**

## KNES289L

### Topical Investigations; Golf for Business and Life

Credits: 3                      Grading Method: Regular,  
Pass-Fail

*Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.*

Students must pay a \$50.00 Facility fee. This course gives students the opportunity to learn the basics of the golf swing, etiquette, and most importantly, how to use golf as a business tool regardless of their chosen careers. Kinesiology majors may use this course to fulfill 2 credits of physical activity at intermediate level.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Jeff Maynor          | Seats (Total: 24) |
|      | TuTh 3:30pm - 5:30pm | SPH 0303          |

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**KNES289P      Topical Investigations; Mathematical and Physical Bases of Human Movement and Performance**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.*

Restricted to students in the Kinesiology major (code: 08351). All other students will require department permission. Knowledge in basic mathematics, physical laws, and statistics provide tools for kinesiologists and exercise scientists to quantify, analyze, and evaluate human movements for efficiency, effectiveness, and safety. This course is designed to provide students with basic knowledge in mathematics, physics, and statistics. Upon successful completion, this course is expected to better prepare students for the science Core courses required for Kinesiology majors (e.g., KNES300, KNES360, KNES370 and KNES385).

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Jae Kun Shim       | Seats (Total: 30) |
|      | F 11:00am - 1:30pm | ITV 1100          |

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**KNES289R      Topical Investigations; Hoop Dreams: Black Masculinity and Sport**

Credits: 3                      Grading Method: Regular,                      General Education: DSHS,  
Pass-Fail, Audit                      SCIS

*Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Samuel Clevenger   | Seats (Total: 50) |
|      | MW 4:00pm - 5:15pm | ATL 2428          |

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**KNES289W      Topical Investigations; The Cybernetic Human**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSNS,  
SCIS

*Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.*

Can the profound and rapid technological advances experienced in the 21st century change what it means to be human or the nature of humanity? Emergent technologies, new materials, increased computer power, engineering innovations, and groundbreaking work in the sciences of cognition and action provide myriad opportunities for repairing and enhancing the human body and brain. Examines the ethical, social, and technological implications of an increasing synergism of technology and the body in sports and the arts, at work or home, rehabilitating the body and the brain, and society at large.

|      |                     |                   |            |
|------|---------------------|-------------------|------------|
| 0101 | Tim Kiemel          | Seats (Total: 20) |            |
|      | MF 2:00pm - 2:50pm  | PHY 1412          |            |
|      | W 12:00pm - 12:50pm | SPH 0305          | Discussion |
| 0102 | Tim Kiemel          | Seats (Total: 20) |            |
|      | MF 2:00pm - 2:50pm  | PHY 1412          |            |
|      | W 10:00am - 10:50am | SPH 0303          | Discussion |
| 0103 | Tim Kiemel          | Seats (Total: 20) |            |
|      | MF 2:00pm - 2:50pm  | PHY 1412          |            |
|      | W 1:00pm - 1:50pm   | SPH 0303          | Discussion |
| 0104 | Tim Kiemel          | Seats (Total: 20) |            |
|      | MF 2:00pm - 2:50pm  | PHY 1412          |            |
|      | W 2:00pm - 2:50pm   | SPH 0303          | Discussion |

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## KNES293

### History of Sport in America

Credits: 3

Grading Method: Regular,  
Pass-Fail

CORE: SH

General Education: DSHS

*The growth and development of sport in America. The transformation of sport within the perspective of American history, including class sport, professionalization, amateurism, and international involvement.*

Restricted to Majors or non-majors with less than or equal to 45 credits.

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0103 | Michael Friedman     | Seats (Total: 22) |            |
|      | MW 10:00am - 10:50am | SPH 1312          |            |
|      | M 2:00pm - 2:50pm    | SPH 1302          | Discussion |

|      |   |                   |            |
|------|---|-------------------|------------|
| 0104 | Michael Friedman                                      | Seats (Total: 22) |            |
|      | MW 10:00am - 10:50am                                  | SPH 1312          |            |
|      | M 3:00pm - 3:50pm                                     | SPH 1302          | Discussion |
| 0105 | Michael Friedman                                      | Seats (Total: 22) |            |
|      | MW 10:00am - 10:50am                                  | SPH 1312          |            |
|      | W 12:00pm - 12:50pm                                   | SPH 0303          | Discussion |
| 0107 | Michael Friedman                                      | Seats (Total: 22) |            |
|      | MW 10:00am - 10:50am                                  | SPH 1312          |            |
|      | W 2:00pm - 2:50pm                                     | SPH 1302          | Discussion |
| 0108 | Michael Friedman                                      | Seats (Total: 22) |            |
|      | MW 10:00am - 10:50am                                  | SPH 1312          |            |
|      | W 3:00pm - 3:50pm                                     | SPH 1302          | Discussion |
| 0109 | Michael Friedman                                      | Seats (Total: 22) |            |
|      | MW 10:00am - 10:50am                                  | SPH 1312          |            |
|      | M 12:00pm - 12:50pm                                   | SPH 0303          | Discussion |
| FC01 | Samuel Clevenger                                      | Seats (Total: 40) |            |
|      | TuTh 4:30pm - 5:45pm                                  | CHM 0119          |            |
|      | <i>Restricted to students in Freshmen Connection.</i> |                   |            |

## KNES293U

### History of Sport in America

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH      General Education: DSHS

*The growth and development of sport in America. The transformation of sport within the perspective of American history, including class sport, professionalization, amateurism, and international involvement.*

**Contact department for information to register for this course.**

## KNES300

### Biomechanics of Human Motion

Credits: 4      Grading Method: Regular, Pass-Fail

*Prerequisite: Minimum grade of C- in BSCI201. And 1 course with a minimum grade of C- from (MATH112, MATH113, MATH115); or (must have completed one General Education: Fundamental Studies-Math course with a minimum grade of C-; and must have math eligibility of MATH140 or higher). Recommended: PHYS121. Restriction: Must be in a major within SPHL-Kinesiology department.*

*The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance.*

Students must pay a \$50 lab fee.

|      |  |   |     |
|------|--|---|-----|
| 0101 | Jae Kun Shim<br>MW 3:00pm - 4:15pm<br>Tu 8:00am - 10:00am  | Seats (Total: 18)<br>SPH 1312<br>SPH 0223 | Lab |
| 0102 | Jae Kun Shim<br>MW 3:00pm - 4:15pm<br>Tu 10:00am - 12:00pm | Seats (Total: 18)<br>SPH 1312<br>SPH 0223 | Lab |
| 0103 | Jae Kun Shim<br>MW 3:00pm - 4:15pm<br>Tu 12:00pm - 2:00pm  | Seats (Total: 18)<br>SPH 1312<br>SPH 0223 | Lab |
| 0104 | Jae Kun Shim<br>MW 3:00pm - 4:15pm<br>Tu 2:00pm - 4:00pm   | Seats (Total: 18)<br>SPH 1312<br>SPH 0223 | Lab |
| 0105 | Jae Kun Shim<br>MW 3:00pm - 4:15pm<br>Th 8:00am - 10:00am  | Seats (Total: 18)<br>SPH 1312<br>SPH 0223 | Lab |
| 0106 | Jae Kun Shim<br>MW 3:00pm - 4:15pm<br>Th 10:00am - 12:00pm | Seats (Total: 18)<br>SPH 1312<br>SPH 0223 | Lab |
| 0107 | Jae Kun Shim<br>MW 3:00pm - 4:15pm<br>Th 12:00pm - 2:00pm  | Seats (Total: 18)<br>SPH 1312<br>SPH 0223 | Lab |
| 0108 | Jae Kun Shim<br>MW 3:00pm - 4:15pm<br>Th 2:00pm - 4:00pm   | Seats (Total: 18)<br>SPH 1312<br>SPH 0223 | Lab |

**KNES300H**

**Biomechanics of Human Motion**

(Perm req)

Credits: 4

Grading Method: Regular,  
Pass-Fail

*Prerequisite: Minimum grade of C- in BSCI201. And 1 course with a minimum grade of C- from (MATH112, MATH113, MATH115); or (must have completed one General Education: Fundamental Studies-Math course with a minimum grade of C-; and must have math eligibility of MATH140 or higher). Recommended: PHYS121. Restriction: Must be in a major within SPHL-Kinesiology department.*

*The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance.*

This section is restricted to students who have been admitted in the Kinesiology Honors program. Students must pay a \$50 lab fee.

|      |   |                  |
|------|---|------------------|
| 0101 | Jae Kun Shim                                  | Seats (Total: 4) |
|      | MW 3:00pm - 4:15pm                            | SPH 1312         |
|      | Contact instructor or department for details. |                  |

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### **KNES332      Exercise Testing and Prescription for the Fitness Professional**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in KNES360. Restriction: Must be in a major within SPHL-Kinesiology department. Credit only granted for: KNES332 or KNES389G. Formerly: KNES389G.*

*Practical applications of exercise physiology and psychology to target fitness instruction for the general adult population Includes discussion of certification standards and professional development as well as evaluation of program safety and current trends.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Jo Zimmerman        | Seats (Total: 25) |
|      | WF 9:00am - 10:50am | SPH 0308          |

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### **KNES332H      Exercise Testing and Prescription for the Fitness Professional**

(Perm req)  
Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in KNES360. Restriction: Must be in a major within SPHL-Kinesiology department. Credit only granted for: KNES332 or KNES389G. Formerly: KNES389G.*

*Practical applications of exercise physiology and psychology to target fitness instruction for the general adult population Includes discussion of certification standards and professional development as well as evaluation of program safety and current trends.*

|      |                     |                  |
|------|---------------------|------------------|
| 0101 | Jo Zimmerman        | Seats (Total: 2) |
|      | WF 9:00am - 10:50am | SPH 0308         |



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**KNES333 Motor Development and Fitness for Individuals with Disabilities**

Credits: 3                      Grading Method: Regular

*Prerequisite: Minimum grade of C- in KNES287 and KNES370. Restriction: Must be in a major within the SPHL-Kinesiology department; and must have earned a minimum of 45 credits.*

*Implications of Federal and State regulations for planning and implementing motor development and physical fitness programs for individuals with disabilities. Evaluation strategies for assessing motor performance and fitness levels in educational programs for these individuals.*

Students are required to choose a placement for a service-learning experience involving direct work with children who have disabilities. Students may choose from a list of local schools (listed in the syllabus. that have special education programs; or they may complete this requirement at the Children's Developmental Clinic held on campus in the SPH (School of Public Health) building every Saturday 8:30am-12:30pm.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Dennis Vacante     | Seats (Total: 32) |
|      | Th 7:00pm - 9:30pm | SPH 0308          |

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**KNES335 Swimming Pool Management**

Credits: 2                      Grading Method: Regular,  
Pass-Fail

*Analysis of the position of the swimming pool manager. The systematic treatment of swimming pool water; swimming pool first aid; and laws pertaining to swimming pool operation. Qualifies the student for a pool operator's license in most Maryland counties.*

This class does NOT fulfill a KNES Options Requirement.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Natalie Taylor        | Seats (Total: 35) |
|      | TuTh 9:30am - 10:30am | ERC B0132         |

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**KNES350 The Psychology of Sports**

Credits: 3                      Grading Method: Regular,                      General Education: DSHS  
Pass-Fail

*An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance.*

|  |                      |                   |
|--|----------------------|-------------------|
| 0101   | Elizabeth Brown      | Seats (Total: 60) |
|  | TuTh 2:00pm - 3:15pm | SPH 1301          |
| <i>This section is for KNES Majors Only.</i> |                      |                   |

|      |                      |                   |
|------|----------------------|-------------------|
| 0201 | Evan Brody           | Seats (Total: 90) |
|      | TuTh 8:00am - 9:15am | ATL 2400          |

### **KNES350H The Psychology of Sports**

(Perm req)

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSHS

*An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance.*

This section is restricted to students who have been admitted in the Kinesiology Honors program.

|      |                      |                  |
|------|----------------------|------------------|
| 0101 | Elizabeth Brown      | Seats (Total: 3) |
|      | TuTh 2:00pm - 3:15pm | SPH 1301         |
| 0201 | Evan Brody           | Seats (Total: 3) |
|      | TuTh 8:00am - 9:15am | SPH 1301         |

### **KNES360 Physiology of Exercise**

Credits: 4      Grading Method: Regular, Pass-Fail

*Prerequisite: Minimum grade of C- in BSCI202 and BSCI201; or permission of SPHL-Kinesiology department. Restriction: Must be in one of the following programs (Kinesiology; Public Health Science).*

*A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training.*

Students must pay a \$50 lab fee.

|  |                       |                   |
|--|-----------------------|-------------------|
| 0101   | Marc Rogers           | Seats (Total: 18) |
|  | MWF 12:00pm - 12:50pm | SPH 1312          |
|  | Tu 8:00am - 10:00am   | SPH 0225      Lab |
| <i>Restricted to students in the Kinesiology major (code:08351).</i> |                       |                   |
| 0102   | Marc Rogers           | Seats (Total: 18) |
|  | MWF 12:00pm - 12:50pm | SPH 1312          |
|  | Tu 10:00am - 12:00pm  | SPH 0225      Lab |
| <i>Restricted to students in the Kinesiology major (code:08351).</i> |                       |                   |

|      |   |                   |     |
|------|---|-------------------|-----|
| 0103 | Marc Rogers   | Seats (Total: 18) |     |
|      | MWF 12:00pm - 12:50pm   | SPH 1312          |     |
|      | Tu 12:00pm - 2:00pm   | SPH 0225          | Lab |
|      | <i>Restricted to students in the Kinesiology major (code:08351).</i>                        |                   |     |
| 0104 | Marc Rogers   | Seats (Total: 18) |     |
|      | MWF 12:00pm - 12:50pm   | SPH 1312          |     |
|      | Tu 2:00pm - 4:00pm  | SPH 0225          | Lab |
|      | <i>Restricted to students in the Kinesiology major (code:08351).</i>                        |                   |     |
| 0105 | Marc Rogers   | Seats (Total: 18) |     |
|      | MWF 12:00pm - 12:50pm   | SPH 1312          |     |
|      | Th 8:00am - 10:00am   | SPH 0225          | Lab |
| 0106 | Marc Rogers   | Seats (Total: 18) |     |
|      | MWF 12:00pm - 12:50pm   | SPH 1312          |     |
|      | Th 10:00am - 12:00pm  | SPH 0225          | Lab |
|      | <i>Restricted to students in the Kinesiology major (code:08351).</i>                        |                   |     |
| 0107 | Marc Rogers   | Seats (Total: 18) |     |
|      | MWF 12:00pm - 12:50pm   | SPH 1312          |     |
|      | Th 12:00pm - 2:00pm   | SPH 0225          | Lab |
|      | <i>Restricted to students in the Kinesiology major (code:08351).</i>                        |                   |     |
| 0108 | Marc Rogers   | Seats (Total: 18) |     |
|      | MWF 12:00pm - 12:50pm   | SPH 1312          |     |
|      | Th 2:00pm - 4:00pm  | SPH 0225          | Lab |
|      | <i>Restricted to students in the Kinesiology major (code:08351).</i>                        |                   |     |
| 0201 | Kathleen Dondero  | Seats (Total: 18) |     |
|      | TuTh 4:00pm - 5:30pm  | SHM 2102          |     |
|      | M 2:00pm - 4:00pm   | SPH 0225          | Lab |
|      | <i>Restricted to College Park Students in the Public Health Science major (code:12140).</i> |                   |     |
| 0202 | Kathleen Dondero  | Seats (Total: 18) |     |
|      | TuTh 4:00pm - 5:30pm  | SHM 2102          |     |
|      | W 2:00pm - 4:00pm   | SPH 0225          | Lab |
|      | <i>Restricted to College Park Students in the Public Health Science major (code:12140).</i> |                   |     |

|      |   |                   |
|------|---|-------------------|
| 0203 | Kathleen Dondero  | Seats (Total: 18) |
|      | TuTh 4:00pm - 5:30pm  | SHM 2102          |
|      | M 12:00pm - 2:00pm  | SPH 0225      Lab |
|      | <i>Restricted to College Park Students in the Public Health Science major (code:12140).</i> |                   |
| 0204 | Kathleen Dondero  | Seats (Total: 18) |
|      | TuTh 4:00pm - 5:30pm  | SHM 2102          |
|      | W 12:00pm - 2:00pm  | SPH 0225      Lab |
|      | <i>Restricted to College Park Students in the Public Health Science major (code:12140).</i> |                   |
| 0205 | Kathleen Dondero  | Seats (Total: 18) |
|      | TuTh 4:00pm - 5:30pm  | SHM 2102          |
|      | F 10:00am - 12:00pm   | SPH 0225      Lab |
|      | <i>Restricted to College Park Students in the Public Health Science major (code:12140).</i> |                   |
| 0206 | Kathleen Dondero  | Seats (Total: 18) |
|      | TuTh 4:00pm - 5:30pm  | SHM 2102          |
|      | F 12:00pm - 2:00pm  | SPH 0225      Lab |
|      | <i>Restricted to College Park Students in the Public Health Science major (code:12140).</i> |                   |
| SG91 | Rian Landers-Ramos  | Seats (Total: 15) |
|      | M 5:30pm - 8:00pm   | BLD3 3220         |
|      | Th 9:00am - 11:00am   | BLD1 203      Lab |
|      | <i>Restricted to Shady Grove Students in the Public Health Science major (code:12140).</i>  |                   |
| SG92 | Rian Landers-Ramos  | Seats (Total: 15) |
|      | M 5:30pm - 8:00pm   | BLD3 3220         |
|      | Th 11:00am - 1:00pm   | BLD1 203      Lab |
|      | <i>Restricted to Shady Grove Students in the Public Health Science major (code:12140).</i>  |                   |

## KNES360H

### Physiology of Exercise

(Perm req)

Credits: 4

Grading Method: Regular,  
Pass-Fail

*Prerequisite: Minimum grade of C- in BSCI202 and BSCI201; or permission of SPHL-Kinesiology department. Restriction: Must be in one of the following programs (Kinesiology; Public Health Science).*

*A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training.*

This section is restricted to students who have been admitted in the Kinesiology Honors program.  
Students must pay a \$50 lab fee.

|      |   |                  |
|------|---|------------------|
| 0101 | Marc Rogers                                   | Seats (Total: 4) |
|      | MWF 12:00pm - 12:50pm                         | SPH 1312         |
|      | Contact instructor or department for details. |                  |

## KNES370

### Motor Development

Credits: 3      Grading Method: Regular,  
Pass-Fail

*Restriction: Must be in a major within SPHL-Kinesiology department.*

*Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development.*

|      |                     |                   |
|------|---------------------|-------------------|
| BL01 | Jane Clark          | Seats (Total: 18) |
|      | MW 1:00pm - 1:50pm  | SPH 1312          |
|      | M 9:00am - 9:50am   | SPH 0223      Lab |
| BL02 | Jane Clark          | Seats (Total: 18) |
|      | MW 1:00pm - 1:50pm  | SPH 1312          |
|      | M 10:00am - 10:50am | SPH 0223      Lab |
| BL03 | Jane Clark          | Seats (Total: 18) |
|      | MW 1:00pm - 1:50pm  | SPH 1312          |
|      | M 11:00am - 11:50am | SPH 0223      Lab |
| BL04 | Jane Clark          | Seats (Total: 18) |
|      | MW 1:00pm - 1:50pm  | SPH 1312          |
|      | M 12:00pm - 12:50pm | SPH 0223      Lab |
| BL09 | Jane Clark          | Seats (Total: 18) |
|      | MW 1:00pm - 1:50pm  | SPH 1312          |
|      | W 8:00am - 8:50am   | SPH 0223      Lab |

## KNES370H

### Motor Development

(Perm req)      Credits: 3      Grading Method: Regular,  
Pass-Fail

*Restriction: Must be in a major within SPHL-Kinesiology department.*

*Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development.*

This section is restricted to students who have been admitted in the Kinesiology Honors program.

|      |                    |                  |     |  |
|------|--------------------|------------------|-----|--|
| BL01 | Jane Clark         | Seats (Total: 2) |     |  |
|      | MW 1:00pm - 1:50pm | SPH 1312         |     |  |
|      | TBA                | SPH 0223         | Lab |  |

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## **KNES370U      Motor Development**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in a major within SPHL-Kinesiology department.*

*Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development.*

Blended Learning courses combine face-to-face and online interactions.

**Contact department for information to register for this course.**

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## **KNES385      Motor Control and Learning**

Credits: 3                      Grading Method: Regular,  
Pass-Fail

*Restriction: Must be in a major within SPHL-Kinesiology department.*

*Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback.*

|      |                      |                   |     |  |
|------|----------------------|-------------------|-----|--|
| 0101 | Rodolphe Gentili     | Seats (Total: 18) |     |  |
|      | MW 11:00am - 11:50am | SPH 1312          |     |  |
|      | F 8:00am - 8:50am    | SPH 0223          | Lab |  |
| 0102 | Rodolphe Gentili     | Seats (Total: 18) |     |  |
|      | MW 11:00am - 11:50am | SPH 1312          |     |  |
|      | F 9:00am - 9:50am    | SPH 0223          | Lab |  |

|      |                      |                   |
|------|----------------------|-------------------|
| 0103 | Rodolphe Gentili     | Seats (Total: 18) |
|      | MW 11:00am - 11:50am | SPH 1312          |
|      | F 10:00am - 10:50am  | SPH 0223 Lab      |
| 0104 | Rodolphe Gentili     | Seats (Total: 18) |
|      | MW 11:00am - 11:50am | SPH 1312          |
|      | F 11:00am - 11:50am  | SPH 0223 Lab      |
| 0105 | Rodolphe Gentili     | Seats (Total: 18) |
|      | MW 11:00am - 11:50am | SPH 1312          |
|      | F 12:00pm - 12:50pm  | SPH 0223 Lab      |
| 0106 | Rodolphe Gentili     | Seats (Total: 18) |
|      | MW 11:00am - 11:50am | SPH 1312          |
|      | F 1:00pm - 1:50pm    | SPH 0223 Lab      |
| 0108 | Rodolphe Gentili     | Seats (Total: 18) |
|      | MW 11:00am - 11:50am | SPH 1312          |
|      | M 1:00pm - 1:50pm    | SPH 0223 Lab      |
| 0109 | Rodolphe Gentili     | Seats (Total: 18) |
|      | MW 11:00am - 11:50am | SPH 1312          |
|      | M 2:00pm - 2:50pm    | SPH 0223 Lab      |
| 0110 | Rodolphe Gentili     | Seats (Total: 18) |
|      | MW 11:00am - 11:50am | SPH 1312          |
|      | M 3:00pm - 3:50pm    | SPH 0223 Lab      |

## KNES385H

### Motor Control and Learning

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail

*Restriction: Must be in a major within SPHL-Kinesiology department.*

*Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback.*

This section is restricted to students who have been admitted in the Kinesiology Honors program.

|      |   |                  |
|------|---|------------------|
| 0101 | Rodolphe Gentili                              | Seats (Total: 8) |
|      | MW 11:00am - 11:50am                          | SPH 1312         |
|      | Contact instructor or department for details. |                  |

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## **KNES386      Experiential Learning**

Credits: 3      Grading Method: Regular,  
Pass-Fail

*Prerequisite: Must have completed three KNES core classes. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department.*

*Explore and analyze concepts and procedures related to a quality service-learning experience to include planning, implementing, and evaluating a service-learning project.*

*[Click here for more course information.](#)*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Marvin Scott          | Seats (Total: 25) |
|      | TuTh 12:30pm - 1:45pm | SPH 0303          |

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## **KNES389      Topical Investigations**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail

*Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.*

Prerequisite: permission of instructor and department. This class does NOT fulfill a KNES Options Requirement.

**Contact department for information to register for this course.**

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## **KNES389E      Topical Investigations; Children's Development Clinic**

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.*

A service/learning course designed for students, teachers and individuals interested in working with children who have special needs. Students will work one-on-one with an assigned child in the areas of motor development, reading, language, and social skills. Students will be required to complete fingerprinting and background checks (at no cost to the students). This class does NOT fulfill a KNES Options Requirement.



|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Dennis Vacante      | Seats (Total: 30) |
|      | Sa 8:30am - 12:30pm | SPH 2101          |

### **KNES389K Topical Investigations; Kinesiology Internship**

(Perm req)

Credits: 3      Grading Method: Regular

*Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.*

Prerequisite: permission of instructor and department.

**Contact department for information to register for this course.**

### **KNES400 The Foundations of Public Health in Kinesiology**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in KNES287; and must have completed or be concurrently enrolled in KNES360. Restriction: Senior standing or higher; and must be in a major within the SPHL-Kinesiology department. Credit only granted for: KNES400 or KNES498A. Formerly: KNES498A.*

*An investigation of the role of physical activity and inactivity in relation to health and well-being through a public health perspective. Past and current perspectives on health promotion, health education, and social policies and approaches will be examined for various populations.*

|      |                      |                          |
|------|----------------------|--------------------------|
| 0101 | Shannon Jette        | Seats (Total: 18)        |
|      | MW 11:00am - 11:50am | PHY 1410                 |
|      | W 12:00pm - 12:50pm  | SPH 1302      Discussion |
| 0102 | Shannon Jette        | Seats (Total: 18)        |
|      | MW 11:00am - 11:50am | PHY 1410                 |
|      | W 1:00pm - 1:50pm    | SPH 0305      Discussion |
| 0103 | Shannon Jette        | Seats (Total: 18)        |
|      | MW 11:00am - 11:50am | PHY 1410                 |
|      | W 2:00pm - 2:50pm    | SPH 0305      Discussion |
| 0104 | Shannon Jette        | Seats (Total: 18)        |
|      | MW 11:00am - 11:50am | PHY 1410                 |
|      | W 3:00pm - 3:50pm    | SPH 0303      Discussion |

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0105 | Shannon Jette        | Seats (Total: 18) |            |
|      | MW 11:00am - 11:50am | PHY 1410          |            |
|      | F 12:00pm - 12:50pm  | SPH 0301          | Discussion |
| 0106 | Shannon Jette        | Seats (Total: 18) |            |
|      | MW 11:00am - 11:50am | PHY 1410          |            |
|      | F 1:00pm - 1:50pm    | SPH 0303          | Discussion |
| 0107 | Shannon Jette        | Seats (Total: 18) |            |
|      | MW 11:00am - 11:50am | PHY 1410          |            |
|      | F 2:00pm - 2:50pm    | SPH 0303          | Discussion |
| 0108 | Shannon Jette        | Seats (Total: 18) |            |
|      | MW 11:00am - 11:50am | PHY 1410          |            |
|      | F 3:00pm - 3:50pm    | SPH 0303          | Discussion |

#### **KNES400H**

#### **The Foundations of Public Health in Kinesiology**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in KNES287; and must have completed or be concurrently enrolled in KNES360. Restriction: Senior standing or higher; and must be in a major within the SPHL-Kinesiology department. Credit only granted for: KNES400 or KNES498A. Formerly: KNES498A.*

*An investigation of the role of physical activity and inactivity in relation to health and well-being through a public health perspective. Past and current perspectives on health promotion, health education, and social policies and approaches will be examined for various populations.*

|      |   |                  |
|------|---|------------------|
| 0101 | Shannon Jette, Katelyn Esmonde                | Seats (Total: 5) |
|      | MW 11:00am - 11:50am                          | PHY 1410         |
|      | Contact instructor or department for details. |                  |

#### **KNES402**

#### **Biomechanics of Sport**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: KNES300.*

*Mechanical determinants influencing sport techniques. A quantitative, scientific basis for sport analysis with emphasis on the application to numerous sport activities. Evaluation and quantification of the filmed performance of athletes.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Ross Miller           | Seats (Total: 32) |
|      | MWF 12:00pm - 12:50pm | SPH 0308          |

## **KNES402H Biomechanics of Sport**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: KNES300.*

*Mechanical determinants influencing sport techniques. A quantitative, scientific basis for sport analysis with emphasis on the application to numerous sport activities. Evaluation and quantification of the filmed performance of athletes.*

|      |                       |                  |
|------|-----------------------|------------------|
| 0101 | Ross Miller           | Seats (Total: 3) |
|      | MWF 12:00pm - 12:50pm | SPH 0308         |

## **KNES440 Psychology of Athletic Performance**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: KNES350. Restriction: Junior standing or higher. Credit only granted for: KNES498P, KNES689Z, or KNES440.*

*Examines the psychological factors, mechanisms, and processes in athletic performance. Utilizes a social psychological approach to focus on the study and review of individual performance in both the interpersonal and social context.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Seppo Iso-Ahola   | Seats (Total: 30) |
|      | M 4:00pm - 6:35pm | SPH 1302          |

## **KNES440H Psychology of Athletic Performance**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: KNES350. Restriction: Junior standing or higher. Credit only granted for: KNES498P, KNES689Z, or KNES440.*

*Examines the psychological factors, mechanisms, and processes in athletic performance. Utilizes a social psychological approach to focus on the study and review of individual performance in both the interpersonal and social context.*

This section is restricted to students who have been admitted in the Kinesiology Honors program.

|      |                   |                  |
|------|-------------------|------------------|
| 0101 | Seppo Iso-Ahola   | Seats (Total: 3) |
|      | M 4:00pm - 6:35pm | SPH 1302         |

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### **KNES451 Children and Sport: A Psychosocial Perspective**

Credits: 3                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: KNES350. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department.*

*Examination of youth sports from a psychosocial perspective, including the impact of highly structured sports on young athletes and the complex social network of coaches, parents and peers.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Elizabeth Brown        | Seats (Total: 31) |
|      | TuTh 11:00am - 12:15pm | SPH 0305          |

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### **KNES451H Children and Sport: A Psychosocial Perspective**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: KNES350. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department.*

*Examination of youth sports from a psychosocial perspective, including the impact of highly structured sports on young athletes and the complex social network of coaches, parents and peers.*

|      |                        |                  |
|------|------------------------|------------------|
| 0101 | Elizabeth Brown        | Seats (Total: 1) |
|      | TuTh 11:00am - 12:15pm | SPH 0305         |

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### **KNES457 Managing Youth Programs: Educational, Fitness and Sport**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: KNES370 and KNES287. Restriction: Junior standing or higher. Credit only granted for: KNES457 or KNES498Y.*

*An examination of the basic functions involved in managing physical education, fitness, and youth sports programs. Focus on leadership skills, organizational management, and techniques for applying learned skills in a variety of organizational settings that serve the nation's youth.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Jay Goldstein          | Seats (Total: 35) |
|      | TuTh 11:00am - 12:15pm | SPH 0308          |

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**KNES460      Physiology of Aging and the Impact of Physical Activity**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: KNES360. Credit only granted for: KNES498F or KNES460. Formerly: KNES498F.*

*Biology of the aging process in healthy individuals and those with chronic disease, the effects of acute exercise and exercise training on the physiological decline that occurs in humans, and the role that regular physical activity plays on enhancing the quality of life and activities of daily living in individuals.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Marc Rogers           | Seats (Total: 32) |
|      | TuTh 12:30pm - 1:45pm | SPH 0305          |

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**KNES460H      Physiology of Aging and the Impact of Physical Activity**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: KNES360. Credit only granted for: KNES498F or KNES460. Formerly: KNES498F.*

*Biology of the aging process in healthy individuals and those with chronic disease, the effects of acute exercise and exercise training on the physiological decline that occurs in humans, and the role that regular physical activity plays on enhancing the quality of life and activities of daily living in individuals.*

|      |                       |                  |
|------|-----------------------|------------------|
| 0101 | Marc Rogers           | Seats (Total: 2) |
|      | TuTh 12:30pm - 1:45pm | SPH 0305         |

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**KNES461      Exercise and Body Composition**

Credits: 3                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: KNES360.*

*An in-depth overview on how body composition is measured, what it is composed of, and the physiological and biochemical signals that change it. The effects of acute and chronic exercise on food storage, breakdown, and use as an energy source, is the major focus. This information is applied to important issues in public health and athletic performance.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Ben Hurley            | Seats (Total: 31) |
|      | TuTh 9:30am - 10:45am | SPH 0305          |

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**KNES461H      Exercise and Body Composition**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail

*Prerequisite: KNES360.*

*An in-depth overview on how body composition is measured, what it is composed of, and the physiological and biochemical signals that change it. The effects of acute and chronic exercise on food storage, breakdown, and use as an energy source, is the major focus. This information is applied to important issues in public health and athletic performance.*

This section is restricted to students who have been admitted in the Kinesiology Honors program.

|      |                       |                  |
|------|-----------------------|------------------|
| 0101 | Ben Hurley            | Seats (Total: 3) |
|      | TuTh 9:30am - 10:45am | SPH 0305         |

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### **KNES476**

#### **Honors Thesis Proposal**

(Perm req)

Credits: 3

Grading Method: Regular

*Corequisite: KNES478. Restriction: Must be a KNES Honors student; and senior standing. Credit only granted for: KNES476 or KNES498R.*

*Development of honors thesis proposal based on preliminary research and literature review.  
Presentation of formal proposal to the thesis committee and fellow honors students.*

|      |   |                   |
|------|---|-------------------|
| 0101 | J Carson Smith                                | Seats (Total: 10) |
|      | F 10:00am - 10:50am                           | SPH 0301          |
|      | Contact instructor or department for details. |                   |

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### **KNES478**

#### **Honors Seminar**

(Perm req)

Credits: 1

Grading Method: Regular

*Guided discussion of research topics of current interest.*

Continuing KNES Honors Students must enroll in KNES478 every semester they are in the program.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | J Carson Smith      | Seats (Total: 20) |
|      | F 11:00am - 11:50am | SPH 0301          |

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### **KNES484**

#### **Sporting Hollywood**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: KNES293 and KNES287. Restriction: Junior standing or higher. Credit only granted for: KNES484 and KNES498N.*

*Popular representations of sport within the film media related to wider social discourses on bodies and the politics of various categories of subjectivity (gender, sexual, racial, class and national).*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Michael Friedman  | Seats (Total: 35) |
|      | M 4:00pm - 6:30pm | SPH 0302          |

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**KNES485****Sport and Globalization**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      General Education: DVUP

*Prerequisite: KNES287. Restriction: Junior standing or higher.*

*Examination of sport culture from a global perspective; focuses on theorizing the similarities and differences between various national sporting cultures.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Andrew Grainger            | Seats (Total: 35) |
|      | Class time/details on ELMs | ONLINE            |
|      | W 1:00pm - 1:50pm          | SPH 0302          |

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**KNES497****Kinesiology Senior Seminar**

(Perm req)

Credits: 3      Grading Method: Regular      CORE: CS      General Education: DSSP

*Prerequisite: A professional writing course with a minimum grade of C-; and all 7 KNES core courses and 2 KNES option courses. And STAT100; or students who have taken courses with comparable content may contact the department. And minimum grade of C- in KNES400; or must be concurrently enrolled in KNES400. Restriction: Senior standing or higher; and must be in Kinesiology program.*

*Discussions of contemporary issues vital to the discipline, critiques of research in the student's area/areas of special interest, completion of a major project where the student will be asked to demonstrate the ability to carry out investigative processes in problem solving and critical writing under faculty direction.*

*[Click here for more information.](#)*

|      |  |                   |
|------|--|-------------------|
| 0102 | Andrew Grainger  | Seats (Total: 20) |
|      | M 9:00am - 11:30am   | SPH 0301          |
|      | <i>Qualitative Research for Sport and Physical Culture.</i>    |                   |
| 0103 | James Hagberg  | Seats (Total: 20) |
|      | Th 8:00am - 10:30am  | SPH 0307          |
|      | <i>Physical Activity and the Obesity and Diabetes Epidemic</i> |                   |

|      |  |                               |
|------|--|-------------------------------|
| 0106 | Joanne Klossner<br>TuTh 12:30pm - 1:45pm<br><i>Hot Topics in Sports Medicine.</i>  | Seats (Total: 20)<br>SPH 0307 |
| 0111 | Tim Kiemel<br>W 4:00pm - 6:30pm<br><i>Normal and Impaired Sensorimotor Control: Standing Balance, Walking, and Other Activities of Daily Living.</i> | Seats (Total: 20)<br>SPH 0307 |
| 0113 | Rodolphe Gentili<br>W 2:00pm - 4:30pm<br><i>Rehabilitation and Motor Control.</i>  | Seats (Total: 20)<br>CCC 1115 |

#### **KNES498**

#### **Special Topics in Kinesiology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics of special interest in areas not covered by regularly scheduled courses.*

This class does NOT fulfill a KNES Options Requirement.

**Contact department for information to register for this course.**

#### **KNES498C**

#### **Special Topics in Kinesiology; Exercise and Brain Health**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics of special interest in areas not covered by regularly scheduled courses.*

Examines the evidence for exercise to affect brain function and brain health in children, in adults, and in old age. Covers the adaptations to acute and chronic exercise within brain networks related to emotion, stress reactivity, memory, and executive function, and the effectiveness of physical activity and exercise as treatments for depression, anxiety disorders, and cognitive impairment. Prerequisite: KNES350.

|      |  |                               |
|------|--|-------------------------------|
| 0101 | J Carson Smith<br>TuTh 2:00pm - 3:15pm | Seats (Total: 31)<br>SPH 0302 |
|------|--|-------------------------------|

#### **KNES498T**

#### **Special Topics in Kinesiology; Principles and Applications of Exercise Rehabilitation**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics of special interest in areas not covered by regularly scheduled courses.*



Prerequisites: BSCI202 and KNES300/KNES300H.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Larry Plotkin        | Seats (Total: 34) |
|      | TuTh 8:00am - 9:15am | SPH 0305          |

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**KNES498W Special Topics in Kinesiology; Prosthetics for Limb Amputations**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics of special interest in areas not covered by regularly scheduled courses.*

Prerequisite: KNES300. Introduction to the science of prosthetics and the artificial devices that are designed, developed and fit to replace the missing body part or parts lost through trauma, disease or congenital conditions.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Douglas Collier     | Seats (Total: 34) |
|      | Tu 12:30pm - 3:00pm | PLS 1119          |

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**KNES600 Kinesiology in Public Health**

Credits: 3                      Grading Method: Regular,  
Audit

*A broad introduction to public health within the context of the discipline of kinesiology, focusing on furthering the understanding of the ways kinesiology contributes toward achieving the goals of public health.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Jennifer Roberts   | Seats (Total: 15) |
|      | Tu 4:00pm - 6:45pm | SPH 2334          |

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**KNES602 Physical Activity Program Planning and Evaluation**

Credits: 3                      Grading Method: Regular,  
Audit

*Recommended: KNES600.*

*An in-depth analysis of the planning, implementation, and evaluation of physical activity interventions and programs intended to achieve physical activity and public health goals.*

|      |                   |                  |
|------|-------------------|------------------|
| 0101 | Brit Saksvig      | Seats (Total: 3) |
|      | W 1:00pm - 3:30pm | SPH 2334         |

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**KNES609 Research Issues in Kinesiology**

(Perm req)

Credits: 1

Grading Method: Regular

*Issues, methodologies, and critical analyses of current research in Kinesiology.*

**Contact department for information to register for this course.**

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**KNES613****Theories Physical Culture**

Credits: 3

Grading Method: Regular,  
Audit

*Credit only granted for: KNES613 or KNES689I. Formerly: KNES689I.*

*Examines and assesses numerous social and cultural theories as frameworks for critically interpreting the varied institutions, ideologies, and embodiments of physical culture.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | David Andrews     | Seats (Total: 15) |
|      | M 4:00pm - 6:30pm | SPH 2334          |

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**KNES618****Current Readings in Exercise and Applied Physiology**

Credits: 1

Grading Method: Regular,  
Audit

*Student-led presentations of contemporary literature in the areas of genetics, exercise science, fitness and health. Emphasis on papers describing new research findings, novel techniques, innovative methods, and emerging issues.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | James Hagberg     | Seats (Total: 12) |
|      | F 1:00pm - 1:50pm | SPH 2334          |

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**KNES660****Psychology of Athletic Performances**

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: KNES350. Credit only granted for: KNES660 or KNES689Z. Formerly: KNES689Z.*

*Psychological factors, mechanisms, and processes in athletic performance. The basic approach is social psychological, according to which the focus is on individual performance in the interpersonal athletic context. Intrapersonal and interpersonal factors and their effects on athletic performance. Psychology of peak performance, choking, and errors of mental control. Analysis of the general principles and types of mental training.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Seppo Iso-Ahola   | Seats (Total: 30) |
|      | M 4:00pm - 6:35pm | SPH 1302          |

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**KNES689****Special Problems in Kinesiology**

(Perm req)

Credits: 1-6      Grading Method: Regular

*Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.*

**Contact department for information to register for this course.**

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**KNES689A****Special Problems in Kinesiology; Assessing Learning in Physical Education**Credits: 3      Grading Method: Regular,  
Audit

*Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.*

A study of the principles and techniques of educational measurement used to evaluate student learning in the cognitive, psychomotor and affective domains within the context of teaching effectiveness. Students will develop research proposals for implementation during the second half of their teaching internship.

**Contact department for information to register for this course.**

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**KNES689P****Special Problems in Kinesiology; Mechanical Analysis of Human Movement**Credits: 3      Grading Method: Regular,  
Audit

*Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Ross Miller        | Seats (Total: 10) |
|      | Th 4:00pm - 6:30pm | ATL 0201          |

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**KNES689T****Special Problems in Kinesiology; Teaching Internship**

(Perm req)

Credits: 1-6      Grading Method: Regular,  
Audit

*Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.*

Outreach Secondary MCERT- KNES. Departmental permission required. Students are required to pay a course fee; refer to program materials for details.

**Contact department for information to register for this course.**

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**KNES689X****Special Problems in Kinesiology; Exercise and Brain Health**

Credits: 3      Grading Method: Regular, Audit

*Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.*

|      |                      |                  |
|------|----------------------|------------------|
| 0101 | J Carson Smith       | Seats (Total: 5) |
|      | TuTh 2:00pm - 3:15pm | SPH 0302         |

**KNES692 Cardiovascular Aspects of Exercise Physiology**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: KNES360.*

*A comprehensive consideration of the various cardiovascular factors affecting human physical performance. Emphasis on the regulation of cardiovascular functions during physical activity. Energy liberation and transfer, circulation, respiration, temperature regulation, physiology of work at altitudes, aerobic endurance training, and exercise, health and aging.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Sushant Ranadive  | Seats (Total: 15) |
|      | W 4:00pm - 6:30pm | SPH 0225          |

**KNES785 Internship in Physical Activity and Public Health**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: KNES600, EPIB610, EPIB650, HLSA601, HLTH665, MIEH600, and KNES601.*  
*Recommended: KNES602.*

*The internship is a time-limited, supervised period of public/community health activities carried out in a health or allied health organization involved with physical activity. Students gain practical experience in areas such as program planning and implementation, program evaluation, public policy analysis, research, and management.*

|      |   |                  |
|------|---|------------------|
| 0101 | Jennifer Roberts                              | Seats (Total: 3) |
|      | Contact instructor or department for details. |                  |

**KNES789N      Advanced Projects in Kinesiology; Physical Cultural Studies of Technoscience**

Credits: 3      Grading Method: Regular

*Advanced projects examining current problems and trends in kinesiology.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Shannon Jette     | Seats (Total: 15) |
|      | W 4:00pm - 6:30pm | SPH 2334          |

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**KNES789P      Advanced Projects in Kinesiology; Contemporary Neuromechanics**

Credits: 3                      Grading Method: Regular

*Advanced projects examining current problems and trends in kinesiology.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Jae Kun Shim      | Seats (Total: 15) |
|      | W 4:00pm - 6:30pm | SPH 0223          |

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**KNES799      Master's Thesis Research**

(Perm req)

Credits: 1-6                      Grading Method: Regular

**Contact department for information to register for this course.**

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**KNES898      Pre-Candidacy Research**

(Perm req)

Credits: 1-8                      Grading Method: Regular

**Contact department for information to register for this course.**

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**KNES899      Doctoral Dissertation Research**

(Perm req)

Credits: 6                      Grading Method: Regular

**Contact department for information to register for this course.**

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**KORA      Korean      Fall 2017**

**KORA101      Elementary Korean I**

Credits: 3                      Grading Method: Regular

*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score; and permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must be a non-Heritage student with no background in Korean.*

*Introduction to the Korean language. Primary emphasis on oral skills, but Hangul, the Korean alphabet, will also be introduced.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Younghi Ramsey        | Seats (Total: 15) |
|      | MWF 10:00am - 10:50am | JMZ 2206          |

|      |  |                               |
|------|--|-------------------------------|
| 0201 | Younghi Ramsey<br>MWF 2:00pm - 2:50pm    | Seats (Total: 15)<br>JMZ 2125 |
| 0301 | Seong Minne Koh<br>MWF 10:00am - 10:50am | Seats (Total: 15)<br>JMZ 3122 |

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### **KORA201 Intermediate Korean I**

Credits: 3      Grading Method: Regular      CORE: HO

*Prerequisite: KORA102; or permission of instructor.*

*An intermediate-level course designed for non-Heritage students. It begins the second year of instruction in the University's two-track Korean Program.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Younghi Ramsey<br>MWF 11:00am - 11:50am | Seats (Total: 15)<br>JMZ 0125 |
| 0201 | Younghi Ramsey<br>MWF 1:00pm - 1:50pm   | Seats (Total: 15)<br>JMZ 2207 |

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### **KORA398E Special Topics in Korean Studies; The Koreas: Korean War to the 21st Century**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Study of particular aspect of Korean language, literature, and/or culture. Topic and language of instruction to be announced when course is offered.*

This is a CIC courseshare course. The instructor, Professor Charles Kim, is at the University of Wisconsin, Madison, but UMD students enroll and receive it at UMD. Also offered as HIST329Q. Credit granted for KORA398E or HIST329Q.

|  |   |                               |
|--|---|-------------------------------|
| 0101   | Instructor: TBA<br>TuTh 10:30am - 11:45am | Seats (Total: 15)<br>JMZ 1123 |
| <i>Ever since the establishment of two Korean nation-states after the end of World War II, North Korea and South Korea have been part and parcel of key trends and phenomena in East Asia and the world. As such, the post-1945 history of Korea has been shot through with transformations, dynamism, conflicts, triumphs, and the unexpected. This course explores the society, culture, and politics of the two Koreas. Key topics include national division and the Korean War, the Cold War, memory, and everyday life.</i> |   |                               |

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### **KORA398F Special Topics in Korean Studies; Film Culture in Korea**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Study of particular aspect of Korean language, literature, and/or culture. Topic and language of instruction to be announced when course is offered.*

This is a CIC courseshare course. The instructor, Professor Se-Mi Oh, is at the University of Michigan, but UMD students enroll and receive it at UMD.

|  |                    |                   |
|--|--------------------|-------------------|
| 0101   | Instructor: TBA    | Seats (Total: 12) |
|  | Tu 2:30pm - 4:00pm | JMZ 1103          |
|  | Th 2:30pm - 4:00pm | JMZ 2125          |
| <i>Survey of the films produced during the last hundred years in South Korea. The course will examine representative films, directors, and genres from the inception of the industry in the colonial era through the recent years. While working through different genres of historical drama, melodrama, literary adaptation, horror, mystery, and monster films, we will discuss topics pertaining to family, sexuality, gender, cultural tradition, national identity, social movement, and urbanization.</i> |                    |                   |

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**KORA499                      Independent Study Korean**

(Perm req)                      Credits: 1-3                      Grading Method: Regular

*Independent study under faculty supervision.*

**Contact department for information to register for this course.**

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**LARC                      Landscape Architecture                      Fall 2017**

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**LARC141                      Design Fundamentals Studio**

(Perm req)                      Credits: 4                      Grading Method: Regular

*Prerequisite: LARC140. Recommended: Concurrently enrolled in LARC263. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department; and sophomore standing or higher; and must be in Landscape Architecture program.*

*Fundamentals of basic design focusing on creative problem solving associated with landscape architecture.*

|      |                    |                                   |
|------|--------------------|-----------------------------------|
| 0101 | Kelly Cook         | Seats (Total: 15)                 |
|      | MW 2:00pm - 3:15pm | PLS 2152                          |
|      | MW 3:30pm - 4:50pm | PLS 2152                      Lab |

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**LARC151                      Urban Agriculture: Designing and Assessing Edible Landscapes**

Credits: 3

Grading Method: Regular

General Education: DSSP,  
SCIS

*Students will examine the growing development of urban agriculture and edible landscapes. Urban agriculture has seen a recent growth and interest in cities across the globe. From Paris to New York, from Baltimore to Detroit, urban agriculture is an emerging land use to address a variety of needs. Redevelopment, food deserts, community engagement and environmental justice are just some of the issues and topics that are connected to the recent growth of urban agriculture. This course will take a critical examination of urban agriculture's contribution to the food system, its input and outputs in the urban landscape, and the planning and design of urban agriculture and edible landscapes.*

|      |   |                     |
|------|---|---------------------|
| 0101 | Dennis Nola   | Seats (Total: 18)   |
|      | MW 12:00pm - 12:50pm                                  | PLS 1130            |
|      | M 1:00pm - 1:50pm                                     | PLS 1164 Discussion |
| 0102 | Dennis Nola   | Seats (Total: 18)   |
|      | MW 12:00pm - 12:50pm                                  | PLS 1130            |
|      | M 1:00pm - 1:50pm                                     | PLS 1113 Discussion |
| 0103 | Dennis Nola   | Seats (Total: 18)   |
|      | MW 12:00pm - 12:50pm                                  | PLS 1130            |
|      | M 2:00pm - 2:50pm                                     | PLS 1158 Discussion |
| 0104 | Dennis Nola   | Seats (Total: 18)   |
|      | MW 12:00pm - 12:50pm                                  | PLS 1130            |
|      | M 2:00pm - 2:50pm                                     | PLS 1119 Discussion |
| FC01 | Allison Tjaden  | Seats (Total: 25)   |
|      | MW 7:30pm - 8:45pm                                    | PLS 1115            |
|      | <i>Restricted to students in Freshmen Connection.</i> |                     |

**LARC152****Greening Cities: Who Wins, Who Loses, and Who Cares?**

Credits: 3

Grading Method: Regular

General Education: DSSP,  
SCIS

*Credit only granted for: LARC152 or PLSC289I. Formerly: PLSC289I.*

*"Greening Cities" can have many interpretations: improving or adding urban economic activity, realizing energy efficiency, greening urban transport systems, etc. An important component of livable and sustainable cities and metropolitan ecosystems are the plants and landscapes that are inhabited by plants. With the majority of humans now living in cities, a survey of urban ecosystem principles and an examination of design and planning strategies for plant and landscape resources in urban and metropolitan regions is critical.*



|      |  |   |            |
|------|--|---|------------|
| 0101 | David Myers<br>MW 12:00pm - 12:50pm<br>M 1:00pm - 1:50pm | Seats (Total: 20)<br>PLS 1140<br>PLS 1168 | Discussion |
| 0102 | David Myers<br>MW 12:00pm - 12:50pm<br>M 3:00pm - 3:50pm | Seats (Total: 20)<br>PLS 1140<br>PLS 1168 | Discussion |
| 0103 | David Myers<br>MW 12:00pm - 12:50pm<br>M 3:00pm - 3:50pm | Seats (Total: 20)<br>PLS 1140<br>PLS 1158 | Discussion |
| 0104 | David Myers<br>MW 12:00pm - 12:50pm<br>M 4:00pm - 4:50pm | Seats (Total: 20)<br>PLS 1140<br>PLS 1158 | Discussion |

## LARC160

### Introduction to Landscape Architecture

Credits: 3

Grading Method: Regular

CORE: HO

General Education: DSHU,  
DSSP

*History, theory, philosophy and current practice of the profession of landscape architecture. Explores the interactive relationship between humans and their environment by examining people's perceptions of and changing attitude towards the landscape, as well as, an examination of how these are related to ecological and cultural influences.*

|      |  |   |            |
|------|--|---|------------|
| 0101 | Christopher Ellis<br>MW 12:00pm - 12:50pm<br>M 2:00pm - 2:50pm | Seats (Total: 20)<br>MMH 1400<br>PLS 1113 | Discussion |
| 0102 | Christopher Ellis<br>MW 12:00pm - 12:50pm<br>M 3:00pm - 3:50pm | Seats (Total: 20)<br>MMH 1400<br>PLS 1113 | Discussion |
| 0103 | Christopher Ellis<br>MW 12:00pm - 12:50pm<br>M 2:00pm - 2:50pm | Seats (Total: 20)<br>MMH 1400<br>PLS 1168 | Discussion |
| 0104 | Christopher Ellis<br>MW 12:00pm - 12:50pm<br>M 3:00pm - 3:50pm | Seats (Total: 20)<br>MMH 1400<br>PLS 1176 | Discussion |

|      |  |   |            |
|------|--|---|------------|
| 0105 | Christopher Ellis<br>MW 12:00pm - 12:50pm<br>W 2:00pm - 2:50pm                                     | Seats (Total: 20)<br>MMH 1400<br>PLS 1113 | Discussion |
| 0106 | Christopher Ellis<br>MW 12:00pm - 12:50pm<br>W 3:00pm - 3:50pm                                     | Seats (Total: 20)<br>MMH 1400<br>PLS 1113 | Discussion |
| 0107 | Christopher Ellis<br>MW 12:00pm - 12:50pm<br>M 4:00pm - 4:50pm                                     | Seats (Total: 18)<br>MMH 1400<br>PLS 1113 | Discussion |
| 0108 | Christopher Ellis<br>MW 12:00pm - 12:50pm<br>M 5:00pm - 5:50pm                                     | Seats (Total: 18)<br>MMH 1400<br>PLS 1113 | Discussion |
| FC01 | Colleen Vacelet<br>MW 6:00pm - 7:15pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 34)<br>PLS 1130             |            |

## LARC265

(Perm req)

### Site Analysis and Ecological Principles

Credits: 3      Grading Method: Regular

*Prerequisite: LARC141. Corequisite: LARC240 and LARC221. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department; and sophomore standing or higher; and must be in Landscape Architecture program. Credit only granted for: LARC265 or ARCH460.*

*Principles and methods of site analysis with an emphasis on the application of ecological principles in landscape architecture, architecture and planning.*

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Thomas Mateya<br>TuTh 9:30am - 10:45am | Seats (Total: 20)<br>PLS 1158 |
|------|--|-------------------------------|

## LARC320

(Perm req)

### Principles of Site Engineering

Credits: 3      Grading Method: Regular

*Prerequisite: LARC221. Corequisite: LARC340. Restriction: Must be in Landscape Architecture program; and junior standing or higher.*

*The study and application of landscape construction principles as applied to grading, drainage, site layout, storm water management, and vehicular and pedestrian circulation.*

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0101 | Joseph Burkhardt    | Seats (Total: 20) |     |
|      | Th 8:00am - 10:45am | PLS 2150          |     |
|      | Tu 9:30am - 10:45am | PLS 2150          | Lab |

### **LARC340 Site Planning and Design Studio**

(Perm req)

Credits: 5 Grading Method: Regular

*Prerequisite: LARC221; and LARC240; and LARC265. Corequisite: LARC320. Restriction: Must be in Landscape Architecture program; and junior standing or higher.*

*An examination of the influence of landscape character and site features (natural and cultural) on landscape architecture, architecture and planning through application in the studio setting.*

|      |                   |                   |     |
|------|-------------------|-------------------|-----|
| 0101 | Dennis Nola       | Seats (Total: 17) |     |
|      | M 1:00pm - 1:50pm | PLS 2150          |     |
|      | W 2:00pm - 2:50pm | PLS 2150          |     |
|      | M 2:00pm - 4:50pm | PLS 2150          | Lab |
|      | W 3:00pm - 5:50pm | PLS 2150          | Lab |

### **LARC389 Internship in Landscape Architecture**

(Perm req)

Credits: 3 Grading Method: Regular

*A supervised internship where students earn credit for work experience related to their career goals. Each student must keep a work log, work on a special project, and produce a report related to this project. An evaluation from the external supervisor of the project is required. Participation requires application to the internship advisor in the preceding semester.*

|      |   |                   |  |
|------|---|-------------------|--|
| 0101 | Mark Carroll                                  | Seats (Total: 15) |  |
|      | W 9:00am - 9:50am                             | PLS 1119          |  |
|      | Contact instructor or department for details. |                   |  |

### **LARC420 Professional Practice**

(Perm req)

Credits: 3 Grading Method: Regular

*Prerequisite: LARC321. Restriction: Must be in Landscape Architecture program.*

*An introduction to and comparative study of the professional concerns of design firms. Focus on planning, legal, ethical, marketing and management considerations of interdisciplinary practices.*

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0101 | Jennifer Low        | Seats (Total: 30) |     |
|      | Tu 9:00am - 11:50am | PLS 1117          | Lab |

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**LARC440      Urban Studio Design**

(Perm req)

Credits: 5                      Grading Method: Regular

*Prerequisite: LARC321; and LARC340; and LARC341. Restriction: Must be in Landscape Architecture program.*

*The landscape architect's role within the interdisciplinary urban design process, focusing on urban site design issues. Pedestrian friendly site design and the future of sustainable development will be studied.*

|      |                    |                   |     |
|------|--------------------|-------------------|-----|
| 0101 | Jack Sullivan      | Seats (Total: 17) |     |
|      | MW 1:00pm - 1:50pm | PLS 2148          |     |
|      | MW 2:00pm - 4:50pm | PLS 2148          | Lab |

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**LARC452      Green Infrastructure and Community Greening**Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PLSC100 or PLSC101; or permission of instructor. Restriction: Junior standing or higher. Credit only granted for: LARC489G or LARC452. Formerly: LARC489G.*

*A critical look and exploration of green infrastructure (GI) elements in the built environment in contributing to ecosystems services and the sustainability of the built environment. The course explores the science, issues, challenges, and the policy, planning and design solutions offered by green infrastructure.*

|      |                              |                   |  |
|------|------------------------------|-------------------|--|
| 0101 | David Myers                  | Seats (Total: 10) |  |
|      | W 10:00am - 10:50am          | PLS 1115          |  |
|      | F 10:00am - 11:50am          | PLS 1115          |  |
|      | <i>for LARC majors only.</i> |                   |  |
| 0102 | David Myers                  | Seats (Total: 10) |  |
|      | W 10:00am - 10:50am          | PLS 1115          |  |
|      | F 10:00am - 11:50am          | PLS 1115          |  |

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**LARC470      Landscape Architecture Seminar**

(Perm req)

Credits: 3                      Grading Method: Regular

*Prerequisite: LARC321; and LARC341. Corequisite: LARC440. Restriction: Senior standing; and must be in Landscape Architecture program.*

*A combination of self-directed study, seminar, and lecture formats. An introduction to aspects of research methods, critical analysis, and proposal writing with a focus on urban and community design.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Kelly Cook         | Seats (Total: 13) |
|      | M 9:00am - 11:50am | PLS 1162          |

### **LARC489R Special Topics in Landscape Architecture; Fundamental Graphics**

(Perm req)

Credits: 3 Grading Method: Regular

*Credit according to time scheduled and organization of course. A lecture and/or studio course organized as an in-depth study of a selected specialization of landscape architecture not covered by existing courses.*

Permission of AGNR-Plant Science & Landscape Architecture department; and must be in Landscape Architecture program. Exploration of fundamental graphics used in landscape architecture.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Ann Anderson           | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | PLS 2152          |
|      | TuTh 12:30pm - 1:45pm  | PLS 2152 Lab      |

### **LARC499 Independent Studies in Landscape Architecture**

(Perm req)

Credits: 1-4 Grading Method: Regular

*Independent studies in landscape architecture including field, studio o library research under the direction of a faculty member.*

**Contact department for information to register for this course.**

### **LARC620 Graphic Tools for Landscape Representation**

(Perm req)

Credits: 3 Grading Method: Regular,  
Audit

*Corequisite: LARC640. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department.*

*This course integrates digital and analog methods of communication and provides an introduction to computer tools and techniques commonly used in landscape architecture practice. Non-drafting computer tools will be used to orient basic digital image capture, manipulation, and presentation formatting. Also includes techniques and application of various media for graphic communication associated with landscape architecture.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Jack Sullivan          | Seats (Total: 10) |
|      | TuTh 9:30am - 10:45am  | PLS 1142          |
|      | TuTh 11:00am - 12:15pm | PLS 1142 Lab      |

## Graduate Studio I

(Perm req)

Credits: 5      Grading Method: Regular, Audit

*Corequisite: LARC620. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department.*

*Principles and techniques of design as applied to shaping the landscape developing concepts in visual thinking, environmental awareness, and design intervention through studio exercises and projects.*

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | Byoung-Suk Kweon     | Seats (Total: 10) |     |
|      | TuTh 1:00pm - 1:50pm | PLS 1142          |     |
|      | TuTh 2:00pm - 4:50pm | PLS 1142          | Lab |

**LARC642**

## Graduate Studio III

(Perm req)

Credits: 5      Grading Method: Regular, Audit

*Prerequisite: LARC641. Corequisite: LARC670. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department.*

*A focus on the interaction of landscape science (hydrology, geology, etc.) with the necessities and mechanisms of human settlements (transportation, economics, etc.) emphasizing innovative and forward thinking solutions to urbanization and ecological problems. It will apply this knowledge to landscape analysis, recreational planning and design, and community development, emphasizing resource management, spatial organization, landscape character, and the physical and social structure of community services. This course will be required for both Trach 1 and Track 2 students.*

A Partnership for Action Learning in Sustainability (PALS) course where students apply classroom learning to actual community needs.

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | Christopher Ellis    | Seats (Total: 10) |     |
|      | TuTh 1:00pm - 1:50pm | PLS 2154          |     |
|      | TuTh 2:00pm - 4:50pm | PLS 2154          | Lab |

**LARC670**

## Landscape Architecture Theory and Criticism

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Permission of AGNR-Plant Science & Landscape Architecture department.*

*Review and analysis of the body of literature concerning landscape architecture and relationships between humans and both natural and designed environments. Topics may include: rationalism, ethics, aesthetics, social and economic values, postmodernism, feminist, multiculturalism, ecological determinism, preservation/conservation, and sustainability and ecological design. Each week students will lead a debate and discussion on a theoretical issue based on the assigned readings for that week.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Kelly Cook         | Seats (Total: 10) |
|      | M 9:00am - 11:50am | PLS 1162          |

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### **LARC699 Independent Studies in Landscape and Architecture**

(Perm req)

Credits: 1-3      Grading Method: Regular

*Individual Instruction course.*

**Contact department for information to register for this course.**

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### **LARC721 Landscape Construction Methods and Materials**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: LARC720. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department.*

*Basic methods of constructing landscapes and manipulating the appropriate plant and inorganic materials for the creation of ecologically sustainable environments for human use. An examination of the use, properties, and detailing of materials used in landscape construction.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Matthew Sickle     | Seats (Total: 10) |
|      | W 8:00am - 9:15am  | PLS 2154          |
|      | W 9:30am - 10:45am | PLS 2154          |

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### **LARC748 Advanced Special Topics Studio**

Credits: 5      Grading Method: Regular,  
Audit

*Advanced special topics comprehensive landscape architecture studio-exploration will focus on cultural, behavioral and ecological issues in the physical planning and design of urban landscapes.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Victoria Chanse      | Seats (Total: 10) |
|      | TuTh 1:00pm - 1:50pm | PLS 2156          |
|      | TuTh 2:00pm - 4:50pm | PLS 2156      Lab |

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### **LARC799 Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular

*Development of a terminal thesis on a problem in landscape architecture, designed to demonstrate comprehensive skills and knowledge achieved in the graduate program. The subject will be selected in consultation with an advisor and periodically reviewed with a committee headed by the advisor.*

**Contact department for information to register for this course.**

**LASC**

## **Certificate in Latin American Studies**

**Fall 2017**

**LASC234**

### **Issues in Latin American Studies I**

Credits: 3

Grading Method: Regular

CORE: HO, D

General Education: DSHS,  
DSHU, DVUP

*Also offered as: SPAN234, PORT234. Credit only granted for: LASC234, SPAN234, or PORT234.*

*Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Britta Anderson       | Seats (Total: 30) |
|      | MW 11:00am - 12:15pm  | TWS 1106          |
| 0201 | Britta Anderson       | Seats (Total: 35) |
|      | TuTh 12:30pm - 1:45pm | CCC 1111          |

**LASC234H**

### **Issues in Latin American Studies I**

Credits: 3

Grading Method: Regular

CORE: HO, D

General Education: DSHS,  
DSHU, DVUP

*Also offered as: SPAN234, PORT234. Credit only granted for: LASC234, SPAN234, or PORT234.*

*Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.*

|      |                      |                  |
|------|----------------------|------------------|
| 0101 | Britta Anderson      | Seats (Total: 5) |
|      | MW 11:00am - 12:15pm | TWS 1106         |

**LASC250**

### **History of Colonial Latin America**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSHS,  
DVUP



Also offered as: HIST250. Credit only granted for: LASC250 or HIST250.

*Introductory survey of the history of Latin America from pre-Columbian Indian cultures to the beginning of the wars for independence (ca. 1810), covering cultural, political, social, and economic developments. Major themes include conquest, colonialism, indigenous culture, African slavery, religion, race and ethnicity, and gender ideologies.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | David Sartorius        | Seats (Total: 40) |
|      | TuTh 11:00am - 12:15pm | KEY 1117          |

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**LASC286 Internship in Latin American/Caribbean Studies**

(Perm req)

Credits: 1-6      Grading Method: Regular,  
Pass-Fail

*Prerequisite: LASC234, SPAN234, LASC235, SPAN235, LASC250, HIST250, LASC251, or HIST251; and permission of Latin American Studies Center required. Restriction: Minimum cumulative GPA of 2.5; and cannot have more than 60 credits total. Additional information: The course is primarily intended for students seeking the Certificate in Latin American Studies, but exceptions will be considered for students with educational or career interests which lie in this area. Student internships must be approved by the Director and students must secure an appropriate faculty mentor to supervise the internship course.*

*Internship experience with an organization that works with or studies Latin American and/or the Caribbean. This is an experiential learning course that provides semester-long training that enriches the student's academic field of study and the LASC Certificate. Students submit a final written report of how the experience ties into their major field of study.*

**Contact department for information to register for this course.**

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**LASC348E Special Topics in Latin American Studies; Caribbean Literature in English**

Credits: 3      Grading Method: Regular,      General Education: DSHU,  
Pass-Fail, Audit      DVUP

*Topics to be announced when offered.*

Also offered as ENGL362. Credit granted for ENGL362 or LASC348E.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0201 | Corey Lamont          | Seats (Total: 25) |
|      | TuTh 9:30am - 10:45am | TWS 1107          |

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**LASC348I Special Topics in Latin American Studies; Race in Latin America**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Topics to be announced when offered.*

Also offered as HIST329I. Credit granted for HIST329I or LASC348I. Explores race relations in Latin America from the colonial era through the present. Covers indigenous, immigrant, and Afro-Latin American experiences and how they have changed over time; systems of racial categorization; race-mixing (or mestizaje); slavery and emancipation; labor markets; access to property; local and regional identities; gender and sexuality; science and the arts; nationalism; and transnationalism.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Karin Roseblatt    | Seats (Total: 40) |
|      | MW 2:00pm - 3:15pm | KEY 0103          |

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### **LASC448J      Special Topics in Latin American Studies; The Aztecs: Human Sacrifice and Conquest**

Credits: 3                      Grading Method: Regular

*Intensive study of a selected topic related to Latin American Studies.*

Also offered as HIST429N, PHIL428N, and RELS419J. Credit granted for HIST429N LASC448J, PHIL428N, or RELS419J. We examine the philosophical worldview and daily life of the Aztecs as well as arguments concerning the legitimacy of the Conquest.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | James Maffie         | Seats (Total: 40) |
|      | TuTh 3:30pm - 4:45pm | KEY 1117          |

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### **LASC458      Senior Capstone Course in Latin American Studies**

Credits: 3                      Grading Method: Regular

*Capstone course for advanced students in the Latin American Studies Certificate Program or other students with appropriate preparation. Interdisciplinary topics will vary each semester.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Laurie Frederik Meer  | Seats (Total: 12) |
|      | TuTh 9:30am - 10:45am | HJP 4120          |

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### **LASC486      Internship in Latin American/Caribbean Studies**

(Perm req)

Credits: 1-6                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: Student must have completed at least two LASC courses, one of which must be a required/core course (LASC/SPAN234, LASC/SPAN235, LASC/HIST250, or LASC/HIST251); and permission of Latin American Studies Center required. Restriction: Minimum cumulative GPA of 2.5; and must have earned a minimum of 60 credits. Additional information: The course is primarily intended for students seeking the Certificate in Latin American Studies, but exceptions will be considered for students with educational or career interests which lie in this area. Student internships must be approved by the Director, and students must secure an appropriate faculty mentor for the internship course. An internship course will be approved only if a faculty supervisor is available.*

*Internship experience with an organization that works with or studies Latin American and/or the Caribbean. This is an experiential learning course that provides semester-long training that enriches the student's academic field of study and the LASC Certificate. Students submit a final written report of their experience, including critical analysis of the institutional relevance to their major field of study and to Latin American Studies. Students will also be asked to give an oral presentation.*

**Contact department for information to register for this course.**

## LATN

## Latin

**Fall 2017**

### LATN120

#### Intensive Latin

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Permission of ARHU-Classics department. Restriction: Must not have completed LATN102.*

*Elements of Latin grammar and vocabulary; elementary reading. The first year's study of Latin compressed into a single semester.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Eugenia Lao           | Seats (Total: 20) |
|      | MWF 10:00am - 10:50am | HBK 0125          |
|      | W 9:00am - 9:50am     | HBK 0125          |

### LATN201

#### Intermediate Latin

Credits: 4                      Grading Method: Regular,                      CORE: HO  
Pass-Fail, Audit

*Prerequisite: Must have completed LATN102 at University of Maryland, College Park; or permission of ARHU-Classics department. Formerly: LATN203.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Eugenia Lao           | Seats (Total: 10) |
|      | MWF 12:00pm - 12:50pm | MMH 1218          |
|      | F 1:00pm - 1:50pm     | MMH 1218          |

### LATN351

#### Horace and Catullus

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: LATN201; or students who have taken courses with comparable content may contact the department.*

*Readings are in Latin.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Gregory Bucher        | Seats (Total: 20) |
|      | MWF 12:00pm - 12:50pm | WDS 1131          |

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**LATN488C Latin Readings; Julius Caesar**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*The reading of one or more selected Latin authors from antiquity through the Renaissance. Reports.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Eric Adler        | Seats (Total: 10) |
|      | M 6:15pm - 8:45pm | KEY 0123          |

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**LATN488M Latin Readings; Medieval Latin**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*The reading of one or more selected Latin authors from antiquity through the Renaissance. Reports.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Carin Ruff        | Seats (Total: 10) |
|      | W 5:00pm - 7:40pm | KEY 0123          |

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**LATN499 Independent Study in Latin Language and Literature**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**LATN631 Medieval Latin**

Credits: 3      Grading Method: Regular,  
Audit

*An examination of literary documentary texts in Latin from the end of the Roman Empire to the Renaissance.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Carin Ruff        | Seats (Total: 10) |
|      | W 5:00pm - 7:40pm | KEY 0123          |

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**LATN688C Special Topics in Latin Literature; Julius Caesar**

Credits: 3      Grading Method: Regular,  
Audit

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Eric Adler        | Seats (Total: 10) |
|      | M 6:15pm - 8:45pm | KEY 0123          |

## LATN699 Independent Studies in Latin Literature

(Perm req)

Credits: 1-3      Grading Method: Regular, Audit

**Contact department for information to register for this course.**

**LATN799**      **Master's Thesis Research**

(Perm req)

Credits: 1-6      Grading Method: Regular, Satisfail

**Contact department for information to register for this course.**

**LBSC      Library Science      Fall 2017**

**LBSC602      Serving Information Needs**

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC602, or both LBSC601 and LBSC650.*

*An introduction to the skills necessary to interact directly with individuals through the exploration of user behavior theory, strategies to locate and evaluate information from print and electronic resources, and policies and procedures to ensure that all individuals can become information literate.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Beth St Jean               | Seats (Total: 30) |
|      | Tu 2:00pm - 4:45pm         | HBK 0115          |
| ML01 | Brian Real                 | Seats (Total: 30) |
|      | Class time/details on ELMs | ONLINE            |

**LBSC631      Achieving Organizational Excellence**

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC631 or LBSC635.*

*Overview of the principles, practices, and techniques required for effective leadership and management. The innovative strategies, management responsibilities, and skills needed to achieve and sustain high organizational performance in information-based cultural institutions.*

|      |   |                               |
|------|---|-------------------------------|
| 0201 | Stephanie Tuszynski<br>Th 6:00pm - 8:45pm     | Seats (Total: 30)<br>HBK 1108 |
| ML01 | Bruce Dearstyne<br>Class time/details on ELMs | Seats (Total: 25)<br>ONLINE   |

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**LBSC645**
**Literature and Materials for Children**

(Perm req)

Credits: 3

 Grading Method: Regular,  
Audit

*Restriction: Permission of INFO-College of Information Studies.*

*Survey of literature and other materials for children and youth. Criteria for evaluating and using such materials as they relate to the needs, interests, reading abilities, and other capabilities of young readers.*

|      |   |                             |
|------|---|-----------------------------|
| CT01 | Annette Goldsmith<br>Class time/details on ELMs | Seats (Total: 15)<br>ONLINE |
| ML01 | Edith Ching<br>Class time/details on ELMs       | Seats (Total: 25)<br>ONLINE |

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**LBSC671**
**Creating Information Infrastructures**

Credits: 3

 Grading Method: Regular,  
Audit

*Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC671, or LBSC670 and LBSC690.*

*Foundations of acquiring and managing collections, information structures, indexing and discovery systems needed by information professionals. An introduction to the theoretical concepts, trends, systems, and technologies central to the information field.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Philip Piety<br>M 6:00pm - 8:45pm           | Seats (Total: 30)<br>ESJ 1309 |
| ML01 | Margaret Dull<br>Class time/details on ELMs | Seats (Total: 25)<br>ONLINE   |

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**LBSC703**
**Field Study in Archives and Digital Curation**

Credits: 3

 Grading Method: Regular,  
Audit

*Supervised internship experience in archives or digital curation programs in organizations and institutions.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Kenneth Heger      | Seats (Total: 30) |
|      | Th 6:00pm - 8:45pm | HBK 0103          |

**LBSC707      Field Study in Information Service**

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: LBSC602, LBSC671, and LBSC631; and must have completed an additional 9 credits. Or permission of instructor. Restriction: Must be in Library and Information Science (Master's) program; and permission of INFO-College of Information Studies.*

*Supervised internship experience in a library, archive, museum, or other information organization.*

|      |                            |                   |
|------|----------------------------|-------------------|
| ML01 | Rocco Debonis              | Seats (Total: 25) |
|      | Class time/details on ELMs | ONLINE            |

**LBSC709      Independent Study**

Credits: 1-3      Grading Method: Regular, Audit

*Intensive individual study, reading, or research in an area of specialized interest under faculty supervision.*

Signed independent study form must be presented to CLIS Admissions Office.

**Contact department for information to register for this course.**

**LBSC724      Public Library Seminar**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Permission of INFO-College of Information Studies.*

*Organization, support, and service patterns of public libraries. The public library in national, state, and local contexts.*

|      |                            |                   |
|------|----------------------------|-------------------|
| ML01 | Brian Real                 | Seats (Total: 25) |
|      | Class time/details on ELMs | ONLINE            |

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**LBSC731****Special Collections**

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: LBSC602; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.*

*Management of special collections, whose holdings may include manuscripts (particularly personal papers), non-textual materials, graphical materials, and rare books, with analysis of the custodial and management functions associated with special collections.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | John Buchtel      | Seats (Total: 30) |
|      | M 6:00pm - 8:45pm | HBK 0109          |

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**LBSC741****Seminar in School Library Administration**

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: INST650; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.*

*Development, management, and evaluation of school library programs at all levels.*

|      |                            |                   |
|------|----------------------------|-------------------|
| ML01 | Renee Hill                 | Seats (Total: 25) |
|      | Class time/details on ELMs | ONLINE            |

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**LBSC789A****Special Topics in Contemporary Archives; Seminar in Modern Archives**

Credits: 3

Grading Method: Regular,  
Audit

*Issues in administering contemporary archives and records management programs. Topics are selected by individual instructors. For course content information please contact the College of Information Studies.*

|      |                                 |                   |
|------|---------------------------------|-------------------|
| 0101 | Michael Kurtz, Richard Marciano | Seats (Total: 30) |
|      | Class time/details on ELMs      | ONLINE            |

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**LBSC791****Designing Principled Inquiry**

Credits: 3

Grading Method: Regular,  
Audit



*Prerequisite: LBSC671, LBSC602, and LBSC631; and additional 9 credits of coursework applied to the MLIS degree. Or permission of instructor. Restriction: Permission of INFO-College of Information Studies.*

*Critical analysis of roles of information professions and institutions in integrating theory, methods, practice, policies, and values of the field, and applying them to the design of future information systems and services.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Paul Jaeger       | Seats (Total: 30) |
|      | W 6:00pm - 8:45pm | HBK 2119          |

## **LBSC799 Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

*Intensive research conducted under the supervision of a faculty member.*

**Contact department for information to register for this course.**

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# **LGBT      Lesbian Gay Bisexual Transgender      Fall 2017**

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## **LGBT200 Introduction to Lesbian, Gay, Bisexual, and Transgender Studies**

Credits: 3      Grading Method: Regular,      CORE: SB, D      General Education: DSHS, DVUP  
 Pass-Fail, Audit

*Credit only granted for: LGBT200.*

*An interdisciplinary study of the historical and social contexts of personal, cultural and political aspects of LGBT life. Sources from a variety of fields, such as anthropology, history, psychology, sociology, and women's studies, focusing on writings by and about LGBT people.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Ivan Ramos            | Seats (Total: 45) |
|      | TuTh 9:30am - 10:45am | SQH 1117          |
| 0201 | Ivan Ramos            | Seats (Total: 45) |
|      | TuTh 2:00pm - 3:15pm  | CCC 1111          |
| 0301 | Anna Storti           | Seats (Total: 25) |
|      | MWF 10:00am - 10:50am | HBK 1108          |

## **LGBT265 Lesbian, Gay, Bisexual, and Transgender Literatures**

Credits: 3      Grading Method: Regular,      CORE: HL, D      General Education: DSHU, DVUP  
 Pass-Fail, Audit

*Restriction: Must not have completed ENGL265. Also offered as: ENGL265. Credit only granted for: ENGL265 or LGBT265.*

*Exploration of literary and cultural expressions of sexuality and gender. Study of a range of historical periods and literary genres, such as essay, poetry, novel, drama, film. Topics include sexual norms and dissidence, gender identity and expression, the relationship between aesthetic forms and sexual subjectivity. Interpretation of texts particularly through the lens of queer theory. Examination of how sex and gender intersect with other forms of difference, including race and class.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Elizabeth McClure     | Seats (Total: 30) |
|      | TuTh 12:30pm - 1:45pm | TWS 0205          |
| 0201 | John Macintosh        | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm  | TWS 0205          |

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### **LGBT350**

#### **Lesbian, Gay, Bisexual, and Transgender People and Communication**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP,  
DVCC

*Prerequisite: LGBT200; and permission of LGBT Studies Program.*

*Study of differences, stereotypes, and values distinguishing LGBT people and of effective means of communicating such differences to non-LGBT people. Emphasis on contemporary LGBT life and on the development of didactic skills. Preparation and presentation of forums on LGBT people; facilitation of workshops in various outreach locations (residence halls, Greek system, classes).*

|      |   |                   |
|------|---|-------------------|
| 0101 | Luke Jensen                                   | Seats (Total: 12) |
|      | W 3:30pm - 5:10pm                             | WDS 1131          |
|      | Contact instructor or department for details. |                   |

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### **LGBT386**

#### **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship**

(Perm req)

Credits: 3-6

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP,  
DVCC

*Prerequisite: 9 credits in LGBT courses. Restriction: Permission of LGBT Studies Program.*

*Supervised internship experience with a community organization that expressly serves lesbian, gay, bisexual, and transgender people. Students will be expected to relate course material to experience in an analysis of an organization's activities.*

**Contact department for information to register for this course.**

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### **LGBT448C**

#### **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; Sex and the City**

Credits: 3

Grading Method: Regular , D

General Education: DVUP

*In-depth study of particular themes and issues in LGBT studies.*

Also offered as LGBT448C. Credit granted for AMST498V or LGBT448C. This class adopts an interdisciplinary and intersectional approach to the study of sex and the city. Although the class focuses on the experiences of lesbian, gay, bisexual, and transgender (LGBT) people, the class also considers marginalized sexualities more generally, including a range of identities and practices that do not fall into dominant definitions of heterosexuality. Central throughout is an analysis of how the politics of sexuality is shaped by race, gender, and the economy. Units include Progressive-era city reforms, sub-cultural studies of the Chicago School, the history of pre-Stonewall sexual minority communities, theories of sexual migration, sex tourism, the Moynihan Report, LGBT and queer social movements, gender profiling, public sex, sexual labor, gentrification, street safety, and the representation of the city in cultural production.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Christina Hanhardt | Seats (Total: 25) |
|      | MW 2:00pm - 3:15pm | HBK 1112          |

## LGBT499

### Independent Study

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Directed research and analysis in LGBT Studies on a topic selected by the student.*

**Contact department for information to register for this course.**

## LING

## Linguistics

## Fall 2017

### LING200

### Introductory Linguistics

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: SB

General Education: DSHS

*Credit only granted for: HESP120 or LING200. Additional information: Does not count toward the Linguistics major and does not fulfill prerequisite requirements for all upper-level courses.*

*An exploration of the nature of human language, designed for non-majors Introduction to the basic concepts and methodology of modern linguistic analysis (sound systems, word formation, sentence structure). Additional topics may include: semantics, pragmatics, social aspects of language, dialects, language change, acquisition, writing systems, typology, language universals, comparison with other communication systems, etc.*

|      |                     |                          |
|------|---------------------|--------------------------|
| 0101 | Margaret Antonisse  | Seats (Total: 30)        |
|      | MW 1:00pm - 1:50pm  | MMH 1400                 |
|      | F 10:00am - 10:50am | MMH 1304      Discussion |

|      |                     |                   |            |
|------|---------------------|-------------------|------------|
| 0102 | Margaret Antonisse  | Seats (Total: 30) |            |
|      | MW 1:00pm - 1:50pm  | MMH 1400          |            |
|      | F 11:00am - 11:50am | MMH 1304          | Discussion |
| 0103 | Margaret Antonisse  | Seats (Total: 30) |            |
|      | MW 1:00pm - 1:50pm  | MMH 1400          |            |
|      | F 1:00pm - 1:50pm   | MMH 1304          | Discussion |
| 0104 | Margaret Antonisse  | Seats (Total: 30) |            |
|      | MW 1:00pm - 1:50pm  | MMH 1400          |            |
|      | F 12:00pm - 12:50pm | MMH 1304          | Discussion |

## LING240

### Language and Mind

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO      General Education: DSHU

*Additional information: Required for Linguistics majors and recommended for students in related fields.*

*The study of language as a cognitive phenomenon. Focus on mastering the concepts and technical skills required for further courses in linguistics. Ways of representing people's knowledge of their native language, ways in which that knowledge is attained naturally by children, and how it is used in speaking and listening. Additional topics may include: animal communication, language and the brain, language and thought.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Tonia Bleam           | Seats (Total: 50) |
|      | MWF 11:00am - 11:50am | SYM 0200          |

## LING248

### Introduction to Laboratory Research in Linguistics

(Perm req)

Credits: 2-3      Grading Method: Regular

*Individualized, collaborative research course aimed at developing skills for laboratory research in language acquisition, sentence processing or neurolinguistics. Learning to conduct research in laboratory linguistics as part of a research team that will create original research in the field.*

|      |              |                   |
|------|--------------|-------------------|
| 0101 | Jeffrey Lidz | Seats (Total: 15) |
|      | TBA          | MMH 1304          |

## LING311

### Syntax I

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Prerequisite: LING240.*

*Basic concepts, analytical techniques of generative syntax, relation to empirical limits imposed by viewing grammars as representations of a component of human mind. Aspects of current theories.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Tonia Bleam          | Seats (Total: 25) |
|      | TuTh 2:00pm - 3:15pm | MMH 1304          |

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**LING320****Phonetics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: DSSP

*Prerequisite: Minimum grade of C- in LING200. Recommended: LING240. Additional information: This course counts as a core course for the linguistics major. Only one of Ling320 or HESP403 can be used to count towards the Linguistics major.*

*Representations and models of acoustic and articulatory phonetics. Develops concepts and skills for description, measurement and scientific analysis of the sound systems of human languages, including various varieties of English.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | William Idsardi        | Seats (Total: 25) |
|      | TuTh 11:00am - 12:15pm | KEY 0100          |

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**LING321****Phonology I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: LING240.*

*Properties of sound systems of human languages, basic concepts and analytical techniques of generative phonology. Empirical limits imposed by viewing grammars as cognitive representations. Physiological properties and phonological systems; articulatory phonetics and distinctive feature theory.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Margaret Antonisse     | Seats (Total: 25) |
|      | TuTh 11:00am - 12:15pm | MMH 1304          |

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**LING350****Philosophy of Language**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHIL170 or LING311. Also offered as: PHIL360. Credit only granted for: LING350 or PHIL360.*

*The nature and function of language and other forms of symbolism from a philosophical perspective.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Alexander Williams    | Seats (Total: 30) |
|      | TuTh 9:30am - 10:45am | SKN 1115          |

## LING419K Topics in Syntax; Island Constraints and their Exceptions

Credits: 3 Grading Method: Regular,  
Pass-Fail, Audit

*Topics vary.*

Constraints on the form of wh-questions and related dependencies, apparent exceptions to these constraints, e.g. with resumptive pronouns. Grammatical and processing-based accounts of these constraints and exceptions.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Nick Huang            | Seats (Total: 10) |
|      | TuTh 12:30pm - 1:45pm | MMH 1304          |

## LING440 Grammars and Cognition

Credits: 3 Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: LING321 and LING311.*

*Relationship between the structure, development and functioning of grammars and the structure, development and functioning of other mental systems. Interpretations of experimental and observational work on children's language, aphasia, speech production and comprehension.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Ellen Lau            | Seats (Total: 20) |
|      | TuTh 3:30pm - 4:45pm | MMH 3416K         |

## LING444 Child Language Acquisition

Credits: 3 Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: LING311.*

*Examines language acquisition in infancy and early childhood: the nature of children's linguistic representations and how these develop naturally. Role of (possible) innate linguistic structure and interaction of such structure with experience. Evaluation of methods and results of current and classic research leading to contemporary models of language development.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Jeffrey Lidz          | Seats (Total: 20) |
|      | TuTh 9:30am - 10:45am | MMH 1304          |

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**LING448      Advanced Laboratory Research in Linguistics**

(Perm req)

Credits: 2-3      Grading Method: Regular

*Individualized, collaborative research course aimed at developing skills for laboratory research in language acquisition, sentence processing or neurolinguistics. Conducting a research project in laboratory linguistics as part of a team creating original research relevant to current issues in linguistics.*

|   |              |                   |
|---|--------------|-------------------|
| 0101  | Jeffrey Lidz | Seats (Total: 15) |
| Contact instructor or department for details. |              |                   |

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**LING449P      Topics in Psycholinguistics; Acquisition: Learnability Puzzles that Children Solve**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Critical evaluation of primary research in psycholinguistics. Relating theoretical hypotheses to experimental hypotheses and predictions. Evaluation of experimental results. Emphasis on hands-on experience and experimental methodologies. Specific topics vary.*

Some parts of language acquisition are harder than others. Among the hard stuff, there are some cases where children seem to face a learnability problem: they have incorrect representations that result in their grammars generating all of the sentences that adult grammars do, but also other sentences that adult grammars do not generate. It seems that children nevertheless 'recover' from this overgeneration state. The question is: how? In this course we will examine cases of learnability puzzles that children somehow manage to recover from, develop hypotheses about how children do this, and plan experimental studies that would test these hypotheses.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Andrea Zukowski      | Seats (Total: 10) |
|      | TuTh 3:30pm - 4:45pm | MMH 1304          |

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**LING499      Directed Studies in Linguistics**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Independent study or research on language under the supervision of a faculty member.*

**Contact department for information to register for this course.**

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**LING499C      Directed Studies in Linguistics; Teaching Assistantship**

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Independent study or research on language under the supervision of a faculty member.*

Designed for students that will be teaching assistants for LING200.

|      |   |                  |
|------|---|------------------|
| 0101 | Margaret Antonisse                            | Seats (Total: 4) |
|      | Contact instructor or department for details. |                  |

### LING499H Directed Studies in Linguistics

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Independent study or research on language under the supervision of a faculty member.*

**Contact department for information to register for this course.**

### LING610 Syntactic Theory

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: LING312.*

*Intensive introduction to transformational syntax.*

|      |                    |                           |
|------|--------------------|---------------------------|
| 0101 | Howard Lasnik      | Seats (Total: 15)         |
|      | Tu 2:00pm - 4:30pm | MMH 1108B                 |
|      | Th 2:00pm - 3:30pm | MMH 1108B      Discussion |

### LING625 Morphology and the Lexicon

Credits: 3      Grading Method: Regular,  
Audit

*The structure of words and investigation of how word formation processes interact with other components of grammar.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Omer Preminger     | Seats (Total: 20) |
|      | Th 4:00pm - 6:30pm | MMH 1108B         |

### LING640 Psycholinguistics

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Permission of instructor.*

*Core graduate course in psycholinguistics, covering leading theoretical approaches and experimental methods in language acquisition, language processing, and neurolinguistics.*



|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Colin Phillips      | Seats (Total: 20) |
|      | MW 12:00pm - 1:30pm | MMH 1108B         |

## LING646 Cognitive Neuroscience of Language

Credits: 3      Grading Method: Regular,  
Audit

*Overview of classical and recent work on the neural basis of speech and language, with a goal of introducing contemporary methods and results to prepare the student to read the neurolinguistics and cognitive neuroscience literature. An emphasis will be placed on current techniques.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Ellen Lau            | Seats (Total: 20) |
|      | MW 10:30am - 11:45am | MMH 1108B         |

## LING660 Introduction to Semantics

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Permission of instructor.*

*Basic concepts and methods of contemporary semantic theory including basic set theory, elementary propositional and predicate calculus, the structure of predicates and propositions, quantification binding. Prepares students for study of more advanced topics in semantics.*

Also offered as PHIL688T. Credit granted for LING660 or PHIL688T.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Alexander Williams  | Seats (Total: 15) |
|      | MW 9:00am - 10:15am | MMH 1108B         |

## LING663 Pragmatics

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: LING660 or PHIL660; or permission of instructor. Recommended: LING661.*

*An intensive introduction to formal linguistic pragmatics: the study of systematic dependencies of meaning on context of use. Topics will include implicature, presupposition, reference, topic, focus, and the linguistic means of expressing these.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Alexander Williams     | Seats (Total: 15) |
|      | TuTh 11:00am - 12:30pm | MMH 1108B         |

**LING689****Independent Study**

Credits: 1-3      Grading Method: Regular,  
Audit

*Independent studies in grammatical theory.*

**Contact department for information to register for this course.**

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**LING698****Directed Study; Seminar**

Credits: 1-3      Grading Method: Regular,  
Audit

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Howard Lasnik     | Seats (Total: 10) |
|      | F 3:00pm - 5:00pm | Location: TBA     |

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**LING698T****Directed Study; Pedagogy for Linguistics**

Credits: 1      Grading Method: Regular,  
Audit

Required for LING200 Teaching Assistants.

|      |   |                  |
|------|---|------------------|
| 0101 | Margaret Antonisse                            | Seats (Total: 6) |
|      | Contact instructor or department for details. |                  |

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**LING723****Computational Linguistics I**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: CMSC421; or students who have taken courses with comparable content may contact the department; or permission of instructor. Also offered as: CMSC723, INST735. Credit only granted for: CMSC723, LING723, or INST735. Formerly: LING645.*

*Fundamental methods in natural language processing. Topics include: finite-state methods, context-free and extended context-free models of syntax; parsing and semantic interpretation; n-gram and Hidden Markov models, part-of-speech tagging; natural language applications such as machine translation, automatic summarization, and question answering.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Marine Carpuat       | Seats (Total: 45) |
|      | TuTh 2:00pm - 3:15pm | CSI 1121          |

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**LING798****Research Papers in Linguistics**

(Perm req)

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**LING799      Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**LING819Q      Seminar in Syntactic Theory**

Credits: 3      Grading Method: Regular,  
Audit

*Current topics in research on syntactic theory.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Juan Uriagereka   | Seats (Total: 20) |
|      | M 3:00pm - 6:00pm | MMH 1401G         |

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**LING848      Seminar in Computational Linguistics**

Credits: 3      Grading Method: Regular,  
Audit

*Current topics in research in computational linguistics.*

|      |                               |                   |
|------|-------------------------------|-------------------|
| 0101 | Philip Resnik, Omer Preminger | Seats (Total: 20) |
|      | W 2:00pm - 4:30pm             | MMH 1108B         |

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**LING849      Seminar in Psycholinguistics**

Credits: 3      Grading Method: Regular,  
Audit

*Current topics in research on psycholinguistics.*

|      |                           |                   |
|------|---------------------------|-------------------|
| 3901 | Jeffrey Lidz, Jan Edwards | Seats (Total: 20) |
|      | M 2:00pm - 5:00pm         | JMP 2124          |

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**LING889      Directed Research**

Credits: 1-8      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**LING895      Doctoral Research Paper**

Credits: 6      Grading Method: Regular

**Contact department for information to register for this course.**

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**LING896      Research Paper in Minor Area**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: LING895.*

*This course is designed to strengthen the students' ability to do research in a minor area of expertise, and to help them create a publishable piece. In addition, the course constitutes part of a set of requirements to advance to doctoral candidacy.*

**Contact department for information to register for this course.**

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**LING898      Pre-Candidacy Research**

Credits: 1-8                      Grading Method: Regular

**Contact department for information to register for this course.**

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**LING899      Doctoral Dissertation Research**

(Perm req)                      Credits: 6                      Grading Method: Regular

**Contact department for information to register for this course.**

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## **MATH      Mathematics**

## **Fall 2017**

**MATH003      Developmental Mathematics**

Credits: 3                      Grading Method: Sat-Fail

*A review of Intermediate High School Algebra intended for students preparing for one of the credit bearing Fundamental Studies Math Courses. It is taught in special computer labs using a self-paced computer program. The curriculum will be geared toward the student's level of algebra skills and eventual goals. There is a special fee for the course that may be applied in addition to the regular tuition charge. Students should refer to the schedule of classes for details on fees as they apply to a particular semester. The course does not carry any credit toward any degree at the University. The course is repeatable. Topics will be chosen from exponents, polynomials, linear equations, quadratic equations as well as polynomial, rational, exponential and logarithm functions and elementary probability or statistics, depending on the student.*

There is a special fee for this class in addition to the regular tuition charge.

|      |                     |                   |
|------|---------------------|-------------------|
| 0102 | Tiffany Moore       | Seats (Total: 20) |
|      | MWF 8:00am - 9:50am | PHY 4220          |

*Restricted to students in the STEP Program only. Contact Kaye Guidugli at (301) 314-8418 for more information.*

|      |   |                               |
|------|---|-------------------------------|
| 0201 | Barbara Michelato<br>MWF 10:00am - 11:50am  | Seats (Total: 35)<br>CEN 0200 |
| 0202 | Barbara Michelato<br>MWF 10:00am - 11:50am  | Seats (Total: 25)<br>PHY 4220 |
| 0302 | Instructor: TBA<br>MWF 12:00pm - 1:50pm   | Seats (Total: 0)<br>PHY 4220  |
| 0601 | Colleen Terpos<br>TuTh 8:00am - 10:45am   | Seats (Total: 35)<br>CEN 0200 |
| 0602 | Colleen Terpos<br>TuTh 8:00am - 10:45am   | Seats (Total: 25)<br>PHY 4220 |
| 0701 | Colleen Terpos<br>TuTh 11:00am - 1:45pm   | Seats (Total: 35)<br>CEN 0200 |
| 0702 | Colleen Terpos<br>TuTh 11:00am - 1:45pm   | Seats (Total: 25)<br>PHY 4220 |
| FC01 | Jack Baker<br>MW 6:00pm - 8:45pm<br><br><i>Restricted to students in Freshman Connection.</i> | Seats (Total: 35)<br>CEN 0200 |
| FC02 | Jack Baker<br>MW 6:00pm - 8:45pm<br><br><i>Restricted to students in Freshman Connection.</i> | Seats (Total: 20)<br>PHY 4220 |

## MATH007

### Algebra for MATH 107

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*A review of Intermediate High School Algebra intended for students preparing for MATH107. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH107, the same semester, which also meets 5 days per week. Continuation in MATH107 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include linear equations, linear inequalities, operations on polynomials, factoring, solutions of quadratic equations, as well as exponential and logarithm functions. MATH007 does not carry any credit toward any degree at the University, nor is it graded. It leads to either MATH107 or MATH003, both of which are graded.*

|      |   |                               |
|------|---|-------------------------------|
| 1101 | Debra Franklin<br>MTuWThF 9:00am - 9:50am   | Seats (Total: 22)<br>CHM 0122 |
| 1201 | Debra Franklin<br>MTuWThF 11:00am - 11:50am | Seats (Total: 22)<br>CHM 0128 |

## MATH013

### Algebra for MATH 113

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*A review of Intermediate High School Algebra intended for students preparing for MATH113. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH113, the same semester, which also meets 5 days per week. Continuation in MATH113 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations, quadratic equations, as well as polynomial, rational, exponential, logarithm functions, and trigonometry. MATH013 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH113 (or MATH110), or MATH003, all of which are graded.*

|      |   |                               |
|------|---|-------------------------------|
| 1101 | Santuria Orsetti<br>MTuWThF 9:00am - 9:50am   | Seats (Total: 28)<br>MTH 0402 |
| 1201 | Santuria Orsetti<br>MTuWThF 11:00am - 11:50am | Seats (Total: 28)<br>MTH 0402 |
| 1301 | Santuria Orsetti<br>MTuWThF 12:00pm - 12:50pm | Seats (Total: 29)<br>MTH 0402 |
| 1401 | Arthur Bruckheim<br>MTuWThF 1:00pm - 1:50pm   | Seats (Total: 29)<br>MTH 0402 |

## MATH015

### Algebra for MATH 115

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*A review of Intermediate High School Algebra intended for students preparing for MATH115. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH115, the same semester, which also meets 5 days per week. Continuation in MATH115 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations in one and two variables, quadratic equations, as well as polynomial, rational, exponential, logarithm functions and trigonometry. MATH015 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH115 (or MATH111 or MATH113 or MATH110), or MATH003, all of which are graded.*

|      |   |                               |
|------|---|-------------------------------|
| 1101 | Arthur Bruckheim<br>MTuWThF 9:00am - 9:50am   | Seats (Total: 27)<br>JMP 3202 |
| 1201 | Arthur Bruckheim<br>MTuWThF 11:00am - 11:50am | Seats (Total: 27)<br>JMP 3202 |
| 1301 | Ben Bezejouh<br>MTuWThF 12:00pm - 12:50pm     | Seats (Total: 27)<br>JMP 3202 |
| 1401 | Ben Bezejouh<br>MTuWThF 1:00pm - 1:50pm       | Seats (Total: 27)<br>JMP 3202 |

## MATH107

### Introduction to Math Modeling and Probability

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: FSMA

*Prerequisite: Must have math eligibility of Math 107 or higher; and math eligibility is based on Math Placement Exam or successful completion of MATH003 with appropriate eligibility. Restriction: Not open to students majoring in mathematics, engineering, business, life sciences, and the physical sciences;; and must not have completed MATH120, MATH130, or MATH140; and must not have completed MATH220; and must not have completed any MATH or STAT course with a prerequisite of MATH120, MATH130, MATH140 or MATH220. Credit only granted for: STAT100, MATH107, MATH110, MATH111, MATH112, or MATH113. Formerly: Math 110 and Math 111. Additional information: Students who have credits for MATH107 may not also receive credits for STAT100, MATH110, MATH 111, MATH112, or MATH113.*

*A goal is to convey the power of mathematics as shown by a variety of problems which can be modeled and solved by quantitative means. Also included is an introduction to probability. Topics include data analysis, equations, systems of equations, inequalities, elementary linear programming, Venn diagrams, counting, basic probability, permutations, combinations, tree diagrams, standard normal and normal distributions. The mathematics of finance is covered. The course includes problem solving and decision making in economics, management, and social sciences.*

|      |   |                                |
|------|---|--------------------------------|
| 0101 | Jonathan Inbal<br>MWF 11:00am - 11:50am | Seats (Total: 30)<br>MTH B0425 |
|------|---|--------------------------------|

|      |   |                                |
|------|---|--------------------------------|
| 0201 | Jonathan Inbal<br>MWF 12:00pm - 12:50pm     | Seats (Total: 30)<br>MTH B0425 |
| 0301 | William Schildknecht<br>MWF 1:00pm - 1:50pm | Seats (Total: 30)<br>MTH B0425 |
| 0302 | Yixin Ren<br>MWF 1:00pm - 1:50pm            | Seats (Total: 30)<br>MTH B0423 |
| 0401 | Julie Daberkow<br>MWF 2:00pm - 2:50pm       | Seats (Total: 30)<br>MTH B0425 |
| 0402 | Yixin Ren<br>MWF 2:00pm - 2:50pm            | Seats (Total: 30)<br>MTH B0423 |
| 1101 | Debra Franklin<br>MTuWThF 9:00am - 9:50am   | Seats (Total: 22)<br>CHM 0122  |
| 1201 | Debra Franklin<br>MTuWThF 11:00am - 11:50am | Seats (Total: 22)<br>CHM 0128  |

## MATH113

### College Algebra and Trigonometry

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: FSMA

*Prerequisite: Must have math eligibility of MATH113 or higher; and math eligibility is based on the Math Placement Exam or the successful completion of MATH 003 with appropriate eligibility. Restriction: Must not have completed MATH120, MATH140, MATH112, MATH115, or MATH130; and must not have completed any course with a prerequisite of MATH120, MATH130, MATH140 or MATH220; and must not have completed MATH220. Credit only granted for: Students who have credits for MATH113 may not also receive credits for MATH107, MATH110, MATH112, or MATH115.*

*Topics include elementary functions including graphs and applications of: polynomial, rational, exponential, and logarithmic functions. Systems of equations and applications. Trigonometric functions: angle and radian measure, graphs and applications.*

|      |                                       |                                |
|------|---------------------------------------|--------------------------------|
| 0101 | Mirna Pinsky<br>MWF 10:00am - 10:50am | Seats (Total: 30)<br>MTH B0427 |
| 0102 | Jianlong Liu<br>MWF 10:00am - 10:50am | Seats (Total: 34)<br>MTH 0304  |



|      |  |                                |
|------|--|--------------------------------|
| 0103 | Ioannis Markakis<br>MWF 10:00am - 10:50am  | Seats (Total: 30)<br>MTH 0407  |
| 0104 | Levon Dovlatyan<br>MWF 10:00am - 10:50am   | Seats (Total: 30)<br>MTH 0409  |
| 0201 | Mirna Pinsky<br>MWF 11:00am - 11:50am  | Seats (Total: 30)<br>MTH B0427 |
| 0202 | Jianlong Liu<br>MWF 11:00am - 11:50am  | Seats (Total: 34)<br>MTH 0304  |
| 0203 | Ioannis Markakis<br>MWF 11:00am - 11:50am  | Seats (Total: 30)<br>MTH 0407  |
| 0204 | Levon Dovlatyan<br>MWF 11:00am - 11:50am   | Seats (Total: 30)<br>MTH 0409  |
| 0301 | Adil Virani<br>MWF 3:00pm - 3:50pm   | Seats (Total: 30)<br>MTH 0401  |
| 0302 | S Gilles<br>MWF 3:00pm - 3:50pm  | Seats (Total: 30)<br>MTH 0409  |
| 0303 | Jermain McDermott<br>MWF 3:00pm - 3:50pm   | Seats (Total: 30)<br>MTH 0307  |
| 0401 | Adil Virani<br>MWF 4:00pm - 4:50pm   | Seats (Total: 29)<br>MTH 0401  |
| 0402 | S Gilles<br>MWF 4:00pm - 4:50pm  | Seats (Total: 29)<br>MTH 0409  |
| FC01 | Eric Hamilton<br>TuTh 4:30pm - 5:45pm<br><br><i>Restricted to students in Freshmen Connection.</i>   | Seats (Total: 33)<br>CHM 2201  |
| FC02 | Jocelyn Menecio<br>TuTh 4:30pm - 5:45pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 33)<br>MTH 0103  |

|      |  |                                |
|------|--|--------------------------------|
| FC03 | Eric Hamilton<br>TuTh 6:00pm - 7:15pm<br><i>Restricted to students in Freshmen Connection.</i>   | Seats (Total: 33)<br>CHM 2201  |
| FC04 | Jocelyn Menecio<br>TuTh 6:00pm - 7:15pm<br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 33)<br>MTH 0103  |
| FC05 | Jacqueline Stone<br>MW 3:00pm - 4:15pm   | Seats (Total: 30)<br>MTH B0423 |

## MATH115

### Precalculus

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      General Education: FSMA

*Prerequisite: Must have math eligibility of MATH115 or higher; and math eligibility is based on the Math Placement Exam or the successful completion of MATH003 with appropriate eligibility. Or MATH113.*  
*Restriction: Must not have completed MATH140; and must not have completed any MATH or STAT course with a prerequisite of MATH140. Credit only granted for: Students who have credits for MATH115 may not also receive credits for MATH112 or MATH113.*

*Preparation for MATH120, MATH130 or MATH140. Elementary functions and graphs: polynomials, rational functions, exponential and logarithmic functions, trigonometric functions. Algebraic techniques preparatory for calculus.*

All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 or a TI-83+, TI 84, TI 84+, TI 86, or TI 89 calculator.

|      |  |  |
|------|--|--|
| 0111 | Raluca Rosca<br>MWF 9:00am - 9:50am<br>MWF 10:00am - 10:50am | Seats (Total: 29)<br>PHY 1412<br>PHY 4207      Lab |
| 0121 | Raluca Rosca<br>MWF 9:00am - 9:50am<br>MWF 11:00am - 11:50am | Seats (Total: 29)<br>PHY 1412<br>PHY 4207      Lab |
| 0131 | Raluca Rosca<br>MWF 9:00am - 9:50am<br>MWF 12:00pm - 12:50pm | Seats (Total: 29)<br>PHY 1412<br>PHY 4207      Lab |

|      |   |   |
|------|---|---|
| 0141 | Raluca Rosca<br>MWF 9:00am - 9:50am<br>MWF 1:00pm - 1:50pm  | Seats (Total: 29)<br>PHY 1412<br>PHY 4207      Lab        |
| 0151 | Raluca Rosca<br>MWF 9:00am - 9:50am<br>TuTh 8:00am - 9:15am   | Seats (Total: 29)<br>PHY 1412<br>PHY 4207      Lab        |
| 0161 | Raluca Rosca<br>MWF 9:00am - 9:50am<br>TuTh 9:30am - 10:45am  | Seats (Total: 29)<br>PHY 1412<br>PHY 4207      Lab        |
| 0171 | Raluca Rosca<br>MWF 9:00am - 9:50am<br>TuTh 11:00am - 12:15pm   | Seats (Total: 29)<br>PHY 1412<br>PHY 4207      Lab        |
| 0181 | Raluca Rosca<br>MWF 9:00am - 9:50am<br>TuTh 12:30pm - 1:45pm  | Seats (Total: 29)<br>PHY 1412<br>PHY 4207      Lab        |
| 0191 | Raluca Rosca<br>MWF 9:00am - 9:50am<br>MWF 2:00pm - 2:50pm  | Seats (Total: 29)<br>PHY 1412<br>PHY 4207      Discussion |
| 0192 | Raluca Rosca<br>MWF 9:00am - 9:50am<br>MWF 3:00pm - 3:50pm  | Seats (Total: 29)<br>PHY 1412<br>PHY 4207      Discussion |
| FC01 | Alex Blumenthal<br>MW 3:00pm - 4:15pm<br><br><i>Restricted to students in Freshmen Connection.</i>    | Seats (Total: 33)<br>MTH 0106                             |
| FC02 | Stephen Balady<br>MW 3:00pm - 4:15pm<br><br><i>Restricted to students in Freshmen Connection.</i>     | Seats (Total: 33)<br>ESJ B0320                            |
| FC03 | Catherine VanNetta<br>MW 4:30pm - 5:45pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 33)<br>MMH 1304                             |

|   |                    |                   |
|---|--------------------|-------------------|
| FC04  | Stephen Balady     | Seats (Total: 33) |
|   | MW 4:30pm - 5:45pm | ESJ B0320         |
| <i>Restricted to students in Freshmen Connection.</i> |                    |                   |

## MATH120

### Elementary Calculus I

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: FSAR, FSMA

*Prerequisite: 1 course with a minimum grade of C- from (MATH112, MATH113, MATH115). Or must have math eligibility of MATH120 or higher; and math eligibility is based on the Math Placement Test. Restriction: Not open to students majoring in mathematics, engineering, the biological sciences, biochemistry, chemistry, or the physical sciences. Credit only granted for: MATH120, MATH130, MATH140, or MATH220. Formerly: MATH 220.*

*Basic ideas of differential and integral calculus, with emphasis on elementary techniques of differentiation and applications.*

|      |                       |                           |
|------|-----------------------|---------------------------|
| 0111 | Timothy Pilachowski   | Seats (Total: 29)         |
|      | MWF 11:00am - 11:50am | ARM 0131                  |
|      | Th 8:00am - 8:50am    | MTH 0201      Discussion  |
| 0112 | Timothy Pilachowski   | Seats (Total: 29)         |
|      | MWF 11:00am - 11:50am | ARM 0131                  |
|      | Th 8:00am - 8:50am    | MTH 0405      Discussion  |
| 0121 | Timothy Pilachowski   | Seats (Total: 29)         |
|      | MWF 11:00am - 11:50am | ARM 0131                  |
|      | Th 9:30am - 10:20am   | MTH 0201      Discussion  |
| 0122 | Timothy Pilachowski   | Seats (Total: 29)         |
|      | MWF 11:00am - 11:50am | ARM 0131                  |
|      | Th 9:30am - 10:20am   | MTH 0405      Discussion  |
| 0131 | Timothy Pilachowski   | Seats (Total: 29)         |
|      | MWF 11:00am - 11:50am | ARM 0131                  |
|      | Th 11:00am - 11:50am  | MTH B0421      Discussion |
| 0132 | Timothy Pilachowski   | Seats (Total: 29)         |
|      | MWF 11:00am - 11:50am | ARM 0131                  |
|      | Th 11:00am - 11:50am  | MTH B0427      Discussion |

|      |  |  |            |
|------|--|--|------------|
| 0141 | Timothy Pilachowski<br>MWF 11:00am - 11:50am<br>Th 12:30pm - 1:20pm                    | Seats (Total: 30)<br>ARM 0131<br>MTH 0106  | Discussion |
| 0142 | Timothy Pilachowski<br>MWF 11:00am - 11:50am<br>Th 12:30pm - 1:20pm                    | Seats (Total: 30)<br>ARM 0131<br>MTH B0427 | Discussion |
| 0211 | Scott Wolpert, Tobias von Petersdorff<br>MWF 12:00pm - 12:50pm<br>Tu 11:00am - 11:50am | Seats (Total: 29)<br>ARM 0126<br>MTH B0421 | Discussion |
| 0212 | Scott Wolpert, Tobias von Petersdorff<br>MWF 12:00pm - 12:50pm<br>Tu 11:00am - 11:50am | Seats (Total: 29)<br>ARM 0126<br>MTH B0427 | Discussion |
| 0221 | Tobias von Petersdorff, Scott Wolpert<br>MWF 12:00pm - 12:50pm<br>Tu 12:30pm - 1:20pm  | Seats (Total: 29)<br>ARM 0126<br>MTH 0106  | Discussion |
| 0222 | Tobias von Petersdorff, Scott Wolpert<br>MWF 12:00pm - 12:50pm<br>Tu 12:30pm - 1:20pm  | Seats (Total: 29)<br>ARM 0126<br>MTH B0427 | Discussion |
| 0231 | Tobias von Petersdorff, Scott Wolpert<br>MWF 12:00pm - 12:50pm<br>Tu 2:00pm - 2:50pm   | Seats (Total: 29)<br>ARM 0126<br>MTH B0421 | Discussion |
| 0232 | Tobias von Petersdorff, Scott Wolpert<br>MWF 12:00pm - 12:50pm<br>Tu 2:00pm - 2:50pm   | Seats (Total: 29)<br>ARM 0126<br>MTH B0427 | Discussion |
| 0241 | Tobias von Petersdorff, Scott Wolpert<br>MWF 12:00pm - 12:50pm<br>Tu 3:00pm - 3:50pm   | Seats (Total: 29)<br>ARM 0126<br>MTH B0421 | Discussion |
| 0242 | Tobias von Petersdorff, Scott Wolpert<br>MWF 12:00pm - 12:50pm<br>Tu 3:00pm - 3:50pm   | Seats (Total: 29)<br>ARM 0126<br>MTH B0427 | Discussion |

|      |  |   |            |
|------|--|---|------------|
| 0311 | Sarah Yeakel<br>TuTh 9:30am - 10:45am<br>F 8:00am - 8:50am   | Seats (Total: 29)<br>ARM 0131<br>MTH 0411 | Discussion |
| 0331 | Sarah Yeakel<br>TuTh 9:30am - 10:45am<br>F 12:00pm - 12:50pm | Seats (Total: 29)<br>ARM 0131<br>MTH 0101 | Discussion |
| 0341 | Sarah Yeakel<br>TuTh 9:30am - 10:45am<br>F 1:00pm - 1:50pm   | Seats (Total: 29)<br>ARM 0131<br>MTH 0101 | Discussion |
| 0351 | Sarah Yeakel<br>TuTh 9:30am - 10:45am<br>F 2:00pm - 2:50pm   | Seats (Total: 30)<br>ARM 0131<br>MTH 0101 | Discussion |
| 0411 | Heyrim Cho<br>TuTh 2:00pm - 3:15pm<br>M 8:00am - 8:50am      | Seats (Total: 29)<br>ARM 0135<br>MTH 0401 | Discussion |
| 0421 | Heyrim Cho<br>TuTh 2:00pm - 3:15pm<br>M 9:00am - 9:50am      | Seats (Total: 29)<br>ARM 0135<br>MTH 0401 | Discussion |
| 0431 | Heyrim Cho<br>TuTh 2:00pm - 3:15pm<br>M 12:00pm - 12:50pm    | Seats (Total: 30)<br>ARM 0135<br>MTH 0101 | Discussion |
| 0432 | Heyrim Cho<br>TuTh 2:00pm - 3:15pm<br>M 12:00pm - 12:50pm    | Seats (Total: 30)<br>ARM 0135<br>CHM 0128 | Discussion |
| 0441 | Heyrim Cho<br>TuTh 2:00pm - 3:15pm<br>M 1:00pm - 1:50pm      | Seats (Total: 29)<br>ARM 0135<br>MTH 0101 | Discussion |
| 0442 | Heyrim Cho<br>TuTh 2:00pm - 3:15pm<br>M 1:00pm - 1:50pm      | Seats (Total: 27)<br>ARM 0135<br>CHM 0124 | Discussion |

|      |   |   |            |
|------|---|---|------------|
| 0451 | Heyrim Cho<br>TuTh 2:00pm - 3:15pm<br>M 2:00pm - 2:50pm | Seats (Total: 30)<br>ARM 0135<br>MTH 0101 | Discussion |
| 0461 | Heyrim Cho<br>TuTh 2:00pm - 3:15pm<br>M 3:00pm - 3:50pm | Seats (Total: 29)<br>ARM 0135<br>MTH 0302 | Discussion |
| FC01 | Bradford Sanders<br>MW 4:30pm - 5:45pm                  | Seats (Total: 35)<br>MTH 0201             |            |
| FC02 | Terence Long<br>MW 4:30pm - 5:45pm                      | Seats (Total: 35)<br>MTH 0304             |            |
| FC03 | Terence Long<br>MW 6:00pm - 7:15pm                      | Seats (Total: 35)<br>MTH 0106             |            |

## MATH121

### Elementary Calculus II

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH120, MATH130, or MATH140; or must have completed MATH220. Restriction: Not open to students majoring in mathematics, engineering, the biological sciences, biochemistry, chemistry, or the physical sciences. Credit only granted for: MATH121, MATH131, MATH141, or MATH221. Formerly: MATH 221.*

*Differential and integral calculus, with emphasis on elementary techniques of integration and applications.*

|      |                                     |                                |
|------|-------------------------------------|--------------------------------|
| 0101 | Yiming Lyu<br>MWF 12:00pm - 12:50pm | Seats (Total: 22)<br>MTH B0427 |
| 0201 | Yiming Lyu<br>MWF 1:00pm - 1:50pm   | Seats (Total: 22)<br>MTH B0427 |

## MATH130

### Calculus I for the Life Sciences

Credits: 4

Grading Method: Regular,  
Pass-Fail, Audit

CORE: MS

General Education: FSAR,  
FSMA

*Prerequisite: Minimum grade of C- in MATH115. Restriction: Must be in a major in CMNS-Biological Sciences UG Program; and not open to students majoring in mathematics, engineering, or the physical sciences. Credit only granted for: MATH120, MATH130, MATH220, or MATH140.*

*Basic ideas of differential integral calculus, with emphasis on elementary techniques and applications to the life sciences.*

|      |                        |                   |            |
|------|------------------------|-------------------|------------|
| 0111 | Harry Tamvakis         | Seats (Total: 29) |            |
|      | TuTh 11:00am - 12:15pm | ARM 0131          |            |
|      | WF 8:00am - 8:50am     | MTH 0105          | Discussion |
| 0121 | Harry Tamvakis         | Seats (Total: 29) |            |
|      | TuTh 11:00am - 12:15pm | ARM 0131          |            |
|      | WF 9:00am - 9:50am     | MTH 0105          | Discussion |
| 0131 | Harry Tamvakis         | Seats (Total: 29) |            |
|      | TuTh 11:00am - 12:15pm | ARM 0131          |            |
|      | WF 10:00am - 10:50am   | MTH 0105          | Discussion |
| 0141 | Harry Tamvakis         | Seats (Total: 30) |            |
|      | TuTh 11:00am - 12:15pm | ARM 0131          |            |
|      | WF 12:00pm - 12:50pm   | MTH 0105          | Discussion |
| 0211 | Joel Cohen             | Seats (Total: 29) |            |
|      | TuTh 12:30pm - 1:45pm  | ARM 0131          |            |
|      | MW 8:00am - 8:50am     | MTH 0306          | Discussion |
| 0231 | Joel Cohen             | Seats (Total: 29) |            |
|      | TuTh 12:30pm - 1:45pm  | ARM 0131          |            |
|      | MW 11:00am - 11:50am   | MTH 0306          | Discussion |
| 0241 | Joel Cohen             | Seats (Total: 29) |            |
|      | TuTh 12:30pm - 1:45pm  | ARM 0131          |            |
|      | MW 12:00pm - 12:50pm   | MTH 0306          | Discussion |
| 0251 | Joel Cohen             | Seats (Total: 29) |            |
|      | TuTh 12:30pm - 1:45pm  | ARM 0131          |            |
|      | MW 1:00pm - 1:50pm     | MTH 0306          | Discussion |

## MATH131

### Calculus II for Life Sciences

Credits: 4

Grading Method: Regular,  
Pass-Fail, Audit

CORE: MS

*Prerequisite: Minimum grade of C- in MATH130; or minimum grade of C- in MATH140. Restriction: Must be in a major in CMNS-Biological Sciences UG Program. Credit only granted for: MATH121, MATH131, MATH141, or MATH221.*



*Continuation of MATH130, including an introduction to autonomous differential equations, probability (including conditional probability and the normal and binomial distributions), and statistical reasoning (including confidence intervals). Alongside the mathematical concepts will be applications in biology.*

|      |   |   |            |
|------|---|---|------------|
| 0111 | Tamas Darvas<br>TuTh 9:30am - 10:45am<br>MW 10:00am - 10:50am | Seats (Total: 27)<br>ARM 0135<br>MTH 0106 | Discussion |
| 0112 | Tamas Darvas<br>TuTh 9:30am - 10:45am<br>MW 10:00am - 10:50am | Seats (Total: 27)<br>ARM 0135<br>MTH 0103 | Discussion |
| 0121 | Tamas Darvas<br>TuTh 9:30am - 10:45am<br>MW 11:00am - 11:50am | Seats (Total: 27)<br>ARM 0135<br>MTH 0106 | Discussion |
| 0122 | Tamas Darvas<br>TuTh 9:30am - 10:45am<br>MW 11:00am - 11:50am | Seats (Total: 27)<br>ARM 0135<br>MTH 0103 | Discussion |
| 0131 | Tamas Darvas<br>TuTh 9:30am - 10:45am<br>MW 2:00pm - 2:50pm   | Seats (Total: 27)<br>ARM 0135<br>MTH 0106 | Discussion |
| 0132 | Tamas Darvas<br>TuTh 9:30am - 10:45am<br>MW 2:00pm - 2:50pm   | Seats (Total: 27)<br>ARM 0135<br>MTH 0105 | Discussion |
| 0141 | Tamas Darvas<br>TuTh 9:30am - 10:45am<br>MW 3:00pm - 3:50pm   | Seats (Total: 27)<br>ARM 0135<br>MTH 0303 | Discussion |
| 0142 | Tamas Darvas<br>TuTh 9:30am - 10:45am<br>MW 3:00pm - 3:50pm   | Seats (Total: 27)<br>ARM 0135<br>MTH 0105 | Discussion |

## MATH140

## Calculus I

Credits: 4

Grading Method: Regular,  
Pass-Fail, Audit

CORE: MS

General Education: FSAR,  
FSMA

*Prerequisite: Minimum grade of C- in MATH115. Or must have math eligibility of MATH140 or higher; and math eligibility is based on the Math Placement Test. Credit only granted for: MATH120, MATH130, MATH220, or MATH140.*

*Introduction to calculus, including functions, limits, continuity, derivatives and applications of the derivative, sketching of graphs of functions, definite and indefinite integrals, and calculation of area. The course is especially recommended for science, engineering and mathematics majors.*

All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, TI 84, TI 84+, TI 86, or TI 89 calculator. Emphasis on student interaction in groups, including team approach to solving calculus based problems. There will be 3 one-hour lectures and 2 eighty-minute workshops each week with enhanced assistance and support for students.

|      |   |   |            |
|------|---|---|------------|
| 0111 | Denny Gulick<br>MWF 8:00am - 8:50am<br>TuTh 8:00am - 9:20am   | Seats (Total: 25)<br>PHY 1412<br>MTH 0102 | Discussion |
| 0112 | Denny Gulick<br>MWF 8:00am - 8:50am<br>TuTh 8:00am - 9:20am   | Seats (Total: 25)<br>PHY 1412<br>MTH 0302 | Discussion |
| 0113 | Denny Gulick<br>MWF 8:00am - 8:50am<br>TuTh 8:00am - 9:20am   | Seats (Total: 25)<br>PHY 1412<br>MTH 1313 | Discussion |
| 0121 | Denny Gulick<br>MWF 8:00am - 8:50am<br>TuTh 9:30am - 10:50am  | Seats (Total: 25)<br>PHY 1412<br>MTH 0102 | Discussion |
| 0122 | Denny Gulick<br>MWF 8:00am - 8:50am<br>TuTh 9:30am - 10:50am  | Seats (Total: 25)<br>PHY 1412<br>MTH 0302 | Discussion |
| 0123 | Denny Gulick<br>MWF 8:00am - 8:50am<br>TuTh 9:30am - 10:50am  | Seats (Total: 25)<br>PHY 1412<br>MTH 1313 | Discussion |
| 0131 | Denny Gulick<br>MWF 8:00am - 8:50am<br>TuTh 11:00am - 12:20pm | Seats (Total: 25)<br>PHY 1412<br>MTH 0102 | Discussion |

|      |   |  |            |
|------|---|--|------------|
| 0132 | Denny Gulick<br>MWF 8:00am - 8:50am<br>TuTh 11:00am - 12:20pm         | Seats (Total: 25)<br>PHY 1412<br>MTH 1313  | Discussion |
| 0311 | Nathaniael Manning<br>MWF 12:00pm - 12:50pm<br>TuTh 11:00am - 12:20pm | Seats (Total: 25)<br>ARM 0131<br>EGR 3102  | Discussion |
| 0312 | Nathaniael Manning<br>MWF 12:00pm - 12:50pm<br>TuTh 11:00am - 12:20pm | Seats (Total: 25)<br>ARM 0131<br>MTH 0104  | Discussion |
| 0313 | Nathaniael Manning<br>MWF 12:00pm - 12:50pm<br>TuTh 11:00am - 12:20pm | Seats (Total: 25)<br>ARM 0131<br>MTH B0429 | Discussion |
| 0321 | Nathaniael Manning<br>MWF 12:00pm - 12:50pm<br>TuTh 12:30pm - 1:50pm  | Seats (Total: 25)<br>ARM 0131<br>ITV 1111  | Discussion |
| 0322 | Nathaniael Manning<br>MWF 12:00pm - 12:50pm<br>TuTh 12:30pm - 1:50pm  | Seats (Total: 25)<br>ARM 0131<br>MTH 0104  | Discussion |
| 0323 | Nathaniael Manning<br>MWF 12:00pm - 12:50pm<br>TuTh 12:30pm - 1:50pm  | Seats (Total: 25)<br>ARM 0131<br>MTH B0429 | Discussion |
| 0331 | Nathaniael Manning<br>MWF 12:00pm - 12:50pm<br>TuTh 2:00pm - 3:20pm   | Seats (Total: 25)<br>ARM 0131<br>MTH 0201  | Discussion |
| 0332 | Nathaniael Manning<br>MWF 12:00pm - 12:50pm<br>TuTh 2:00pm - 3:20pm   | Seats (Total: 25)<br>ARM 0131<br>MTH 0106  | Discussion |
| 0411 | Timothy Pilachowski<br>MWF 1:00pm - 1:50pm<br>TuTh 9:30am - 10:50am   | Seats (Total: 25)<br>ESJ 0202<br>MTH 0105  | Discussion |

|      |  |  |            |
|------|--|--|------------|
| 0412 | Timothy Pilachowski<br>MWF 1:00pm - 1:50pm<br>TuTh 9:30am - 10:50am  | Seats (Total: 25)<br>ESJ 0202<br>MTH B0425 | Discussion |
| 0413 | Timothy Pilachowski<br>MWF 1:00pm - 1:50pm<br>TuTh 9:30am - 10:50am  | Seats (Total: 25)<br>ESJ 0202<br>MTH 0103  | Discussion |
| 0421 | Timothy Pilachowski<br>MWF 1:00pm - 1:50pm<br>TuTh 11:00am - 12:20pm | Seats (Total: 25)<br>ESJ 0202<br>MTH 0105  | Discussion |
| 0422 | Timothy Pilachowski<br>MWF 1:00pm - 1:50pm<br>TuTh 11:00am - 12:20pm | Seats (Total: 25)<br>ESJ 0202<br>MTH B0425 | Discussion |
| 0423 | Timothy Pilachowski<br>MWF 1:00pm - 1:50pm<br>TuTh 11:00am - 12:20pm | Seats (Total: 25)<br>ESJ 0202<br>MTH 0103  | Discussion |
| 0431 | Timothy Pilachowski<br>MWF 1:00pm - 1:50pm<br>TuTh 2:00pm - 3:20pm   | Seats (Total: 25)<br>ESJ 0202<br>MTH 0105  | Discussion |
| 0432 | Timothy Pilachowski<br>MWF 1:00pm - 1:50pm<br>TuTh 2:00pm - 3:20pm   | Seats (Total: 25)<br>ESJ 0202<br>MTH B0429 | Discussion |
| 0511 | Steven Chadwick<br>MWF 2:00pm - 2:50pm<br>TuTh 8:00am - 9:20am       | Seats (Total: 25)<br>ARM 0135<br>MTH B0423 | Discussion |
| 0512 | Steven Chadwick<br>MWF 2:00pm - 2:50pm<br>TuTh 8:00am - 9:20am       | Seats (Total: 25)<br>ARM 0135<br>MTH 0305  | Discussion |
| 0521 | Steven Chadwick<br>MWF 2:00pm - 2:50pm<br>TuTh 9:30am - 10:50am      | Seats (Total: 25)<br>ARM 0135<br>MTH B0423 | Discussion |

|      |  |  |            |
|------|--|--|------------|
| 0522 | Steven Chadwick<br>MWF 2:00pm - 2:50pm<br>TuTh 9:30am - 10:50am  | Seats (Total: 25)<br>ARM 0135<br>MTH 0305  | Discussion |
| 0531 | Steven Chadwick<br>MWF 2:00pm - 2:50pm<br>TuTh 11:00am - 12:20pm                                       | Seats (Total: 25)<br>ARM 0135<br>MTH B0423 | Discussion |
| 0532 | Steven Chadwick<br>MWF 2:00pm - 2:50pm<br>TuTh 11:00am - 12:20pm                                       | Seats (Total: 25)<br>ARM 0135<br>MTH 0305  | Discussion |
| 0611 | Kasso Okoudjou<br>MWF 10:00am - 10:50am<br>TuTh 11:00am - 12:20pm                                      | Seats (Total: 25)<br>ESJ 2208<br>ESJ 0215  | Discussion |
| 0612 | Kasso Okoudjou<br>MWF 10:00am - 10:50am<br>TuTh 11:00am - 12:20pm                                      | Seats (Total: 25)<br>ESJ 2208<br>ESJ 0215  | Discussion |
| 0621 | Kasso Okoudjou<br>MWF 10:00am - 10:50am<br>TuTh 12:30pm - 1:50pm                                       | Seats (Total: 25)<br>ESJ 2208<br>ESJ 0215  | Discussion |
| 0622 | Kasso Okoudjou<br>MWF 10:00am - 10:50am<br>TuTh 12:30pm - 1:50pm                                       | Seats (Total: 25)<br>ESJ 2208<br>ESJ 0215  | Discussion |
| 0631 | Kasso Okoudjou<br>MWF 10:00am - 10:50am<br>TuTh 2:00pm - 3:20pm  | Seats (Total: 25)<br>ESJ 2208<br>ESJ 0215  | Discussion |
| 0632 | Kasso Okoudjou<br>MWF 10:00am - 10:50am<br>TuTh 2:00pm - 3:20pm  | Seats (Total: 25)<br>ESJ 2208<br>ESJ 0215  | Discussion |
| FC01 | Arijit Sehanobish<br>MWTh 3:00pm - 4:15pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 34)<br>MTH 0103              |            |

|      |   |                   |            |
|------|---|-------------------|------------|
| FC02 | Terence Long  | Seats (Total: 34) |            |
|      | MWTh 3:00pm - 4:15pm                                  | CHM 0127          |            |
|      | <i>Restricted to students in Freshmen Connection.</i> |                   |            |
| FC03 | Tingyue Gan   | Seats (Total: 34) |            |
|      | MW 3:00pm - 4:15pm                                    | MTH 0201          |            |
|      | Th 3:00pm - 4:15pm                                    | MTH B0421         |            |
|      | <i>Restricted to students in Freshmen Connection.</i> |                   |            |
| FC04 | Sean Ballentine                                       | Seats (Total: 34) |            |
|      | MW 3:00pm - 4:15pm                                    | MTH 0306          |            |
|      | Th 3:00pm - 4:15pm                                    | MTH 0306          | Discussion |
|      | <i>Restricted to students in Freshmen Connection.</i> |                   |            |
| FC05 | Jacob Renn  | Seats (Total: 34) |            |
|      | MW 3:00pm - 4:15pm                                    | CHM 0122          |            |
|      | Th 3:00pm - 4:15pm                                    | HBK 0103          | Discussion |
|      | <i>Restricted to students in Freshmen Connection.</i> |                   |            |
| FC06 | Craig Schlenoff                                       | Seats (Total: 34) |            |
|      | MW 4:30pm - 5:45pm                                    | MTH 0103          |            |
|      | Th 4:30pm - 5:45pm                                    | MTH 0106          | Discussion |
|      | <i>Restricted to students in Freshmen Connection.</i> |                   |            |

## MATH140H Calculus I

Credits: 4

Grading Method: Regular,  
Pass-Fail, Audit

CORE: MS

General Education: FSAR,  
FSMA

*Prerequisite: Minimum grade of C- in MATH115. Or must have math eligibility of MATH140 or higher; and math eligibility is based on the Math Placement Test. Credit only granted for: MATH120, MATH130, MATH220, or MATH140.*

*Introduction to calculus, including functions, limits, continuity, derivatives and applications of the derivative, sketching of graphs of functions, definite and indefinite integrals, and calculation of area. The course is especially recommended for science, engineering and mathematics majors.*

For general honors students only. Offered fall only. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 TI-83+, TI 84, TI 84+, TI 86, or TI 89 calculator.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Steven Chadwick      | Seats (Total: 26) |
|      | MF 12:00pm - 12:50pm | MTH 0302          |
|      | W 12:00pm - 1:50pm   | MTH 0302          |
| 0201 | Nathaniael Manning   | Seats (Total: 25) |
|      | WF 2:00pm - 2:50pm   | MTH 0403          |
|      | M 2:00pm - 3:50pm    | MTH 0403          |

## MATH141

## Calculus II

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit      CORE: MS

*Prerequisite: Minimum grade of C- in MATH140. Or minimum grade of B- in MATH130; and permission of CMNS-Mathematics department. Credit only granted for: MATH121, MATH131, MATH141, or MATH221.*

*Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series.*

All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, TI 84, TI 84+, TI 86, or TI 89 calculator.

|      |                        |                          |
|------|------------------------|--------------------------|
| 0111 | Amin Gholampour        | Seats (Total: 28)        |
|      | MWF 11:00am - 11:50am  | ARM 0135                 |
|      | TuTh 8:00am - 8:50am   | MTH 0306      Discussion |
| 0112 | Amin Gholampour        | Seats (Total: 28)        |
|      | MWF 11:00am - 11:50am  | ARM 0135                 |
|      | TuTh 8:00am - 8:50am   | MTH 0304      Discussion |
| 0121 | Amin Gholampour        | Seats (Total: 28)        |
|      | MWF 11:00am - 11:50am  | ARM 0135                 |
|      | TuTh 9:00am - 9:50am   | MTH 0306      Discussion |
| 0122 | Amin Gholampour        | Seats (Total: 28)        |
|      | MWF 11:00am - 11:50am  | ARM 0135                 |
|      | TuTh 9:00am - 9:50am   | MTH 0304      Discussion |
| 0131 | Amin Gholampour        | Seats (Total: 28)        |
|      | MWF 11:00am - 11:50am  | ARM 0135                 |
|      | TuTh 10:00am - 10:50am | MTH 0306      Discussion |

|      |   |   |            |
|------|---|---|------------|
| 0132 | Amin Gholampour<br>MWF 11:00am - 11:50am<br>TuTh 10:00am - 10:50am      | Seats (Total: 28)<br>ARM 0135<br>MTH 0304 | Discussion |
| 0141 | Amin Gholampour<br>MWF 11:00am - 11:50am<br>TuTh 11:00am - 11:50am      | Seats (Total: 29)<br>ARM 0135<br>MTH 0306 | Discussion |
| 0142 | Amin Gholampour<br>MWF 11:00am - 11:50am<br>TuTh 11:00am - 11:50am      | Seats (Total: 28)<br>ARM 0135<br>MTH 0304 | Discussion |
| 0211 | Roohollah Ebrahimian<br>MWF 12:00pm - 12:50pm<br>TuTh 8:00am - 8:50am   | Seats (Total: 28)<br>ARM 0135<br>MTH 0106 | Discussion |
| 0212 | Roohollah Ebrahimian<br>MWF 12:00pm - 12:50pm<br>TuTh 8:00am - 8:50am   | Seats (Total: 28)<br>ARM 0135<br>MTH 0409 | Discussion |
| 0221 | Roohollah Ebrahimian<br>MWF 12:00pm - 12:50pm<br>TuTh 9:00am - 9:50am   | Seats (Total: 28)<br>ARM 0135<br>MTH 0106 | Discussion |
| 0222 | Roohollah Ebrahimian<br>MWF 12:00pm - 12:50pm<br>TuTh 9:00am - 9:50am   | Seats (Total: 28)<br>ARM 0135<br>MTH 0409 | Discussion |
| 0231 | Roohollah Ebrahimian<br>MWF 12:00pm - 12:50pm<br>TuTh 10:00am - 10:50am | Seats (Total: 28)<br>ARM 0135<br>MTH 0106 | Discussion |
| 0241 | Roohollah Ebrahimian<br>MWF 12:00pm - 12:50pm<br>TuTh 11:00am - 11:50am | Seats (Total: 28)<br>ARM 0135<br>MTH 0409 | Discussion |
| 0251 | Roohollah Ebrahimian<br>MWF 12:00pm - 12:50pm<br>TuTh 12:00pm - 12:50pm | Seats (Total: 28)<br>ARM 0135<br>MTH 0409 | Discussion |



|      |   |   |            |
|------|---|---|------------|
| 0261 | Roohollah Ebrahimian<br>MWF 12:00pm - 12:50pm<br>TuTh 1:00pm - 1:50pm | Seats (Total: 28)<br>ARM 0135<br>MTH 0409 | Discussion |
| 0311 | Archana Khurana<br>MWF 2:00pm - 2:50pm<br>TuTh 12:00pm - 12:50pm      | Seats (Total: 28)<br>ARM 0126<br>MTH 0401 | Discussion |
| 0312 | Archana Khurana<br>MWF 2:00pm - 2:50pm<br>TuTh 12:00pm - 12:50pm      | Seats (Total: 28)<br>ARM 0126<br>MTH 0306 | Discussion |
| 0321 | Archana Khurana<br>MWF 2:00pm - 2:50pm<br>TuTh 1:00pm - 1:50pm        | Seats (Total: 28)<br>ARM 0126<br>MTH 0401 | Discussion |
| 0322 | Archana Khurana<br>MWF 2:00pm - 2:50pm<br>TuTh 1:00pm - 1:50pm        | Seats (Total: 28)<br>ARM 0126<br>MTH 0306 | Discussion |
| 0331 | Archana Khurana<br>MWF 2:00pm - 2:50pm<br>TuTh 2:00pm - 2:50pm        | Seats (Total: 28)<br>ARM 0126<br>MTH 0401 | Discussion |
| 0332 | Archana Khurana<br>MWF 2:00pm - 2:50pm<br>TuTh 2:00pm - 2:50pm        | Seats (Total: 28)<br>ARM 0126<br>MTH 0306 | Discussion |
| 0341 | Archana Khurana<br>MWF 2:00pm - 2:50pm<br>TuTh 3:00pm - 3:50pm        | Seats (Total: 28)<br>ARM 0126<br>MTH 0401 | Discussion |
| 0342 | Archana Khurana<br>MWF 2:00pm - 2:50pm<br>TuTh 3:00pm - 3:50pm        | Seats (Total: 28)<br>ARM 0126<br>MTH 0302 | Discussion |
| 0411 | Bradford Sanders<br>MWF 3:00pm - 3:50pm<br>TuTh 11:00am - 11:50am     | Seats (Total: 28)<br>ARM 0126<br>MTH 0302 | Discussion |

|      |  |   |            |
|------|--|---|------------|
| 0412 | Bradford Sanders<br>MWF 3:00pm - 3:50pm<br>TuTh 11:00am - 11:50am                                  | Seats (Total: 28)<br>ARM 0126<br>MTH 0405 | Discussion |
| 0421 | Bradford Sanders<br>MWF 3:00pm - 3:50pm<br>TuTh 12:00pm - 12:50pm                                  | Seats (Total: 28)<br>ARM 0126<br>MTH 0302 | Discussion |
| 0422 | Bradford Sanders<br>MWF 3:00pm - 3:50pm<br>TuTh 12:00pm - 12:50pm                                  | Seats (Total: 28)<br>ARM 0126<br>MTH 0405 | Discussion |
| 0431 | Bradford Sanders<br>MWF 3:00pm - 3:50pm<br>TuTh 1:00pm - 1:50pm                                    | Seats (Total: 28)<br>ARM 0126<br>MTH 0302 | Discussion |
| 0441 | Bradford Sanders<br>MWF 3:00pm - 3:50pm<br>TuTh 2:00pm - 2:50pm                                    | Seats (Total: 28)<br>ARM 0126<br>MTH 0302 | Discussion |
| FC01 | Eric Hamilton<br>MWTh 3:00pm - 4:15pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 30)<br>MTH 0405             |            |
| FC02 | Maxx Cho<br>MWTh 3:00pm - 4:15pm<br><br><i>Restricted to students in Freshman Connection.</i>      | Seats (Total: 30)<br>MTH 0304             |            |

## MATH141H Calculus II

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit      CORE: MS

*Prerequisite: Minimum grade of C- in MATH140. Or minimum grade of B- in MATH130; and permission of CMNS-Mathematics department. Credit only granted for: MATH121, MATH131, MATH141, or MATH221.*

*Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series.*

For general honors students only. TI graphics calculator required. Instructor will use a TI-83, TI-83+, TI 84, TI 84+, TI 86, or TI 89 calculator.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Huanchen Bao         | Seats (Total: 25) |
|      | WF 11:00am - 11:50am | MTH 0105          |
|      | M 11:00am - 12:50pm  | MTH 0105          |
| 0201 | Allan Yashinski      | Seats (Total: 25) |
|      | MF 2:00pm - 2:50pm   | MTH B0429         |
|      | W 2:00pm - 3:50pm    | MTH B0429         |

## MATH206

### Introduction to Matlab

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (MATH141, MATH131). Credit only granted for: CMSC206, CMSC298M, MATH206, or MATH299M.*

*This course is intended to prepare students for subsequent courses requiring computation with MATLAB. Covers basics of MATLAB including simple commands, variables, solving equations, graphing differentiation and integration, matrices and vectors, functions, M-files and fundamentals of programming in the MATLAB environment. When offered in Winter and Summer terms, the course is offered in a format suitable for online distance learning.*

|      |   |                    |
|------|---|--------------------|
| 0101 | Justin Wyss-Gallifent                           | Seats (Total: 420) |
|      | <b>Meets August 28, 2017 - October 10, 2017</b> |                    |
|      | Class time/details on ELMs                      | ONLINE             |

## MATH212

### Elements of Numbers and Operations

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Must have completed one year of college preparatory algebra. Restriction: Must be in one of the following programs (Early Childhood Education; Special Education; Elementary Education). Credit only granted for: MATH212 or MATH210.*

*Reviews and extends topics of arithmetic and number theory related to the elementary school curriculum, particularly number systems and operations with natural numbers, integers, and rationals.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0201 | Karen McLaren         | Seats (Total: 27) |
|      | MWF 10:00am - 10:50am | ESJ 0215          |
| 0601 | Barbie Dunnan         | Seats (Total: 27) |
|      | MWF 2:00pm - 2:50pm   | MTH 0405          |

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**MATH213**      **Elements of Geometry and Measurement**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: MATH212. Restriction: Must be in one of the following programs (Early Childhood Education; Special Education; Elementary Education). Credit only granted for: MATH211 or MATH213.*

*Properties of geometric objects in two and three dimensions; parallel lines, curves and polygons; ratio, proportion, similarity; transformational geometry and measurement, constructions, justifications and proofs.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Alexis Boleda         | Seats (Total: 28) |
|      | MWF 9:00am - 9:50am   | MTH 0302          |
| 0201 | Alexis Boleda         | Seats (Total: 28) |
|      | MWF 10:00am - 10:50am | MTH 0302          |

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**MATH214**      **Elements of Probability and Statistics**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: MATH212. Restriction: Must be in one of the following programs (Early Childhood Education; Special Education; Elementary Education). Credit only granted for: MATH211 or MATH214.*

*Permutations and combinations; probability; collecting and representing data; using statistics to analyze and interpret data.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0201 | Karen McLaren       | Seats (Total: 28) |
|      | MWF 9:00am - 9:50am | ESJ B0320         |

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**MATH240**      **Introduction to Linear Algebra**

Credits: 4                      Grading Method: Regular,  
   Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in MATH131; or MATH141. Credit only granted for: MATH240, MATH341, or MATH461.*

*Basic concepts of linear algebra: vector spaces, applications to line and plane geometry, linear equations and matrices, similar matrices, linear transformations, eigenvalues, determinants and quadratic forms.*

|      |   |   |            |
|------|---|---|------------|
| 0111 | Joseph Iverson<br>MWF 1:00pm - 1:50pm<br>TuTh 12:00pm - 12:50pm | Seats (Total: 31)<br>ARM 0126<br>ATL 1106 | Discussion |
| 0112 | Joseph Iverson<br>MWF 1:00pm - 1:50pm<br>TuTh 12:00pm - 12:50pm | Seats (Total: 31)<br>ARM 0126<br>CHM 0119 | Discussion |
| 0121 | Joseph Iverson<br>MWF 1:00pm - 1:50pm<br>TuTh 1:00pm - 1:50pm   | Seats (Total: 31)<br>ARM 0126<br>MTH 0201 | Discussion |
| 0122 | Joseph Iverson<br>MWF 1:00pm - 1:50pm<br>TuTh 1:00pm - 1:50pm   | Seats (Total: 31)<br>ARM 0126<br>MTH 0103 | Discussion |
| 0123 | Joseph Iverson<br>MWF 1:00pm - 1:50pm<br>TuTh 1:00pm - 1:50pm   | Seats (Total: 31)<br>ARM 0126<br>PHY 1402 | Discussion |
| 0131 | Joseph Iverson<br>MWF 1:00pm - 1:50pm<br>TuTh 2:00pm - 2:50pm   | Seats (Total: 31)<br>ARM 0126<br>MTH 0402 | Discussion |
| 0132 | Joseph Iverson<br>MWF 1:00pm - 1:50pm<br>TuTh 2:00pm - 2:50pm   | Seats (Total: 31)<br>ARM 0126<br>MTH 0103 | Discussion |
| 0133 | Joseph Iverson<br>MWF 1:00pm - 1:50pm<br>TuTh 2:00pm - 2:50pm   | Seats (Total: 31)<br>ARM 0126<br>MTH 0307 | Discussion |
| 0141 | Joseph Iverson<br>MWF 1:00pm - 1:50pm<br>TuTh 3:00pm - 3:50pm   | Seats (Total: 30)<br>ARM 0126<br>MTH 0402 | Discussion |
| 0142 | Joseph Iverson<br>MWF 1:00pm - 1:50pm<br>TuTh 3:00pm - 3:50pm   | Seats (Total: 30)<br>ARM 0126<br>MTH 0403 | Discussion |

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0411 | Terence Long          | Seats (Total: 30) |            |
|      | MWF 12:00pm - 12:50pm | EGR 0108          |            |
|      | TuTh 2:00pm - 2:50pm  | MTH 0411          | Discussion |
| 0421 | Terence Long          | Seats (Total: 30) |            |
|      | MWF 12:00pm - 12:50pm | EGR 0108          |            |
|      | TuTh 3:00pm - 3:50pm  | MTH 0411          | Discussion |

## MATH241

### Calculus III

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: MATH241 or MATH340.*

*Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss.*

All sections will use MATLAB.

|      |                        |                   |            |
|------|------------------------|-------------------|------------|
| 0111 | Christian Rosendal     | Seats (Total: 29) |            |
|      | MWF 9:00am - 9:50am    | ARM 0135          |            |
|      | TuTh 8:00am - 8:50am   | MTH 0307          | Discussion |
| 0112 | Christian Rosendal     | Seats (Total: 29) |            |
|      | MWF 9:00am - 9:50am    | ARM 0135          |            |
|      | TuTh 8:00am - 8:50am   | MTH 0403          | Discussion |
| 0121 | Christian Rosendal     | Seats (Total: 29) |            |
|      | MWF 9:00am - 9:50am    | ARM 0135          |            |
|      | TuTh 9:00am - 9:50am   | MTH 0307          | Discussion |
| 0122 | Christian Rosendal     | Seats (Total: 29) |            |
|      | MWF 9:00am - 9:50am    | ARM 0135          |            |
|      | TuTh 9:00am - 9:50am   | MTH 0403          | Discussion |
| 0131 | Christian Rosendal     | Seats (Total: 29) |            |
|      | MWF 9:00am - 9:50am    | ARM 0135          |            |
|      | TuTh 10:00am - 10:50am | MTH 0307          | Discussion |

|      |  |   |            |
|------|--|---|------------|
| 0132 | Christian Rosendal<br>MWF 9:00am - 9:50am<br>TuTh 10:00am - 10:50am  | Seats (Total: 29)<br>ARM 0135<br>MTH 0403 | Discussion |
| 0141 | Christian Rosendal<br>MWF 9:00am - 9:50am<br>TuTh 11:00am - 11:50am  | Seats (Total: 29)<br>ARM 0135<br>MTH 0101 | Discussion |
| 0142 | Christian Rosendal<br>MWF 9:00am - 9:50am<br>TuTh 11:00am - 11:50am  | Seats (Total: 29)<br>ARM 0135<br>MTH 0407 | Discussion |
| 0211 | Michael Laskowski<br>MWF 10:00am - 10:50am<br>TuTh 8:00am - 8:50am   | Seats (Total: 30)<br>ARM 0135<br>MTH 0411 | Discussion |
| 0212 | Michael Laskowski<br>MWF 10:00am - 10:50am<br>TuTh 8:00am - 8:50am   | Seats (Total: 26)<br>ARM 0135<br>MTH 0104 | Discussion |
| 0221 | Michael Laskowski<br>MWF 10:00am - 10:50am<br>TuTh 9:00am - 9:50am   | Seats (Total: 28)<br>ARM 0135<br>MTH 0411 | Discussion |
| 0222 | Michael Laskowski<br>MWF 10:00am - 10:50am<br>TuTh 9:00am - 9:50am   | Seats (Total: 26)<br>ARM 0135<br>MTH 0104 | Discussion |
| 0231 | Michael Laskowski<br>MWF 10:00am - 10:50am<br>TuTh 10:00am - 10:50am | Seats (Total: 28)<br>ARM 0135<br>MTH 0411 | Discussion |
| 0232 | Michael Laskowski<br>MWF 10:00am - 10:50am<br>TuTh 10:00am - 10:50am | Seats (Total: 26)<br>ARM 0135<br>MTH 0104 | Discussion |
| 0241 | Michael Laskowski<br>MWF 10:00am - 10:50am<br>TuTh 12:00pm - 12:50pm | Seats (Total: 28)<br>ARM 0135<br>MTH 0101 | Discussion |

|      |   |  |            |
|------|---|--|------------|
| 0242 | Michael Laskowski<br>MWF 10:00am - 10:50am<br>TuTh 12:00pm - 12:50pm  | Seats (Total: 28)<br>ARM 0135<br>HBK 0103  | Discussion |
| 0311 | Dionisios Margetis<br>MWF 11:00am - 11:50am<br>TuTh 10:00am - 10:50am | Seats (Total: 30)<br>ARM 0126<br>MTH 0402  | Discussion |
| 0312 | Dionisios Margetis<br>MWF 11:00am - 11:50am<br>TuTh 10:00am - 10:50am | Seats (Total: 30)<br>ARM 0126<br>MTH 0409  | Discussion |
| 0321 | Dionisios Margetis<br>MWF 11:00am - 11:50am<br>TuTh 11:00am - 11:50am | Seats (Total: 27)<br>ARM 0126<br>MTH 1308  | Discussion |
| 0322 | Dionisios Margetis<br>MWF 11:00am - 11:50am<br>TuTh 11:00am - 11:50am | Seats (Total: 30)<br>ARM 0126<br>MTH 0303  | Discussion |
| 0331 | Dionisios Margetis<br>MWF 11:00am - 11:50am<br>TuTh 12:00pm - 12:50pm | Seats (Total: 29)<br>ARM 0126<br>PHY 0405  | Discussion |
| 0332 | Dionisios Margetis<br>MWF 11:00am - 11:50am<br>TuTh 12:00pm - 12:50pm | Seats (Total: 29)<br>ARM 0126<br>MTH 0411  | Discussion |
| 0341 | Dionisios Margetis<br>MWF 11:00am - 11:50am<br>TuTh 1:00pm - 1:50pm   | Seats (Total: 29)<br>ARM 0126<br>MTH B0423 | Discussion |
| 0342 | Dionisios Margetis<br>MWF 11:00am - 11:50am<br>TuTh 1:00pm - 1:50pm   | Seats (Total: 30)<br>ARM 0126<br>MTH B0425 | Discussion |
| 0411 | Justin Wyss-Gallifent<br>MWF 2:00pm - 2:50pm<br>TuTh 8:00am - 8:50am  | Seats (Total: 29)<br>ARM 0131<br>MTH 0401  | Discussion |



|      |  |  |            |
|------|--|--|------------|
| 0412 | Justin Wyss-Gallifent<br>MWF 2:00pm - 2:50pm<br>TuTh 8:00am - 8:50am   | Seats (Total: 29)<br>ARM 0131<br>PHY 1219  | Discussion |
| 0421 | Justin Wyss-Gallifent<br>MWF 2:00pm - 2:50pm<br>TuTh 9:00am - 9:50am   | Seats (Total: 29)<br>ARM 0131<br>MTH 0401  | Discussion |
| 0422 | Justin Wyss-Gallifent<br>MWF 2:00pm - 2:50pm<br>TuTh 9:00am - 9:50am   | Seats (Total: 29)<br>ARM 0131<br>PHY 1219  | Discussion |
| 0431 | Justin Wyss-Gallifent<br>MWF 2:00pm - 2:50pm<br>TuTh 10:00am - 10:50am | Seats (Total: 29)<br>ARM 0131<br>HBK 0123  | Discussion |
| 0432 | Justin Wyss-Gallifent<br>MWF 2:00pm - 2:50pm<br>TuTh 10:00am - 10:50am | Seats (Total: 29)<br>ARM 0131<br>PHY 1219  | Discussion |
| 0441 | Justin Wyss-Gallifent<br>MWF 2:00pm - 2:50pm<br>TuTh 11:00am - 11:50am | Seats (Total: 29)<br>ARM 0131<br>HBK 0103  | Discussion |
| 0442 | Justin Wyss-Gallifent<br>MWF 2:00pm - 2:50pm<br>TuTh 11:00am - 11:50am | Seats (Total: 29)<br>ARM 0131<br>PHY 1219  | Discussion |
| 0511 | Wiseley Wong<br>MWF 3:00pm - 3:50pm<br>TuTh 8:00am - 8:50am            | Seats (Total: 28)<br>ARM 0131<br>MTH 0407  | Discussion |
| 0512 | Wiseley Wong<br>MWF 3:00pm - 3:50pm<br>TuTh 8:00am - 8:50am            | Seats (Total: 28)<br>ARM 0131<br>MTH 0103  | Discussion |
| 0521 | Wiseley Wong<br>MWF 3:00pm - 3:50pm<br>TuTh 9:00am - 9:50am            | Seats (Total: 28)<br>ARM 0131<br>MTH B0427 | Discussion |

|      |   |   |            |
|------|---|---|------------|
| 0522 | Wiseley Wong<br>MWF 3:00pm - 3:50pm<br>TuTh 9:00am - 9:50am   | Seats (Total: 28)<br>ARM 0131<br>PHY 1402 | Discussion |
| 0531 | Wiseley Wong<br>MWF 3:00pm - 3:50pm<br>TuTh 10:00am - 10:50am | Seats (Total: 28)<br>ARM 0131<br>HBK 0105 | Discussion |
| 0532 | Wiseley Wong<br>MWF 3:00pm - 3:50pm<br>TuTh 10:00am - 10:50am | Seats (Total: 28)<br>ARM 0131<br>BPS 1228 | Discussion |
| 0541 | Wiseley Wong<br>MWF 3:00pm - 3:50pm<br>TuTh 11:00am - 11:50am | Seats (Total: 28)<br>ARM 0131<br>JMP 2202 | Discussion |
| 0542 | Wiseley Wong<br>MWF 3:00pm - 3:50pm<br>TuTh 11:00am - 11:50am | Seats (Total: 28)<br>ARM 0131<br>PHY 0405 | Discussion |

## MATH241H

### Calculus III

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: MATH241 or MATH340.*

*Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss.*

For general honors students only. MATH241H will use MATLAB.

|      |   |   |
|------|---|---|
| 0101 | Jonathan Rosenberg<br>MF 11:00am - 11:50am<br>W 11:00am - 12:50pm | Seats (Total: 30)<br>MTH 0411<br>MTH 0411 |
| 0201 | David Hamilton<br>MF 1:00pm - 1:50pm<br>W 1:00pm - 2:50pm         | Seats (Total: 30)<br>MTH 0103<br>MTH 0103 |
| 0301 | Samuel Punshon-Smith<br>MTuWF 2:00pm - 2:50pm                     | Seats (Total: 27)<br>MTH 0104             |

**MATH246****Differential Equations for Scientists and Engineers**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit*Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: MATH246 or MATH341.**An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations.*

All sections will use MATLAB.

|      |   |  |
|------|---|--|
| 0111 | Kendall Williams<br>MWF 9:00am - 9:50am<br>Tu 8:00am - 8:50am   | Seats (Total: 22)<br>ARM 0126<br>MTH 0201 Discussion |
| 0112 | Kendall Williams<br>MWF 9:00am - 9:50am<br>Tu 8:00am - 8:50am   | Seats (Total: 22)<br>ARM 0126<br>MTH 0405 Discussion |
| 0121 | Kendall Williams<br>MWF 9:00am - 9:50am<br>Tu 9:00am - 9:50am   | Seats (Total: 22)<br>ARM 0126<br>PHY 1204 Discussion |
| 0122 | Kendall Williams<br>MWF 9:00am - 9:50am<br>Tu 9:00am - 9:50am   | Seats (Total: 22)<br>ARM 0126<br>EGR 1102 Discussion |
| 0131 | Kendall Williams<br>MWF 9:00am - 9:50am<br>Tu 11:00am - 11:50am | Seats (Total: 22)<br>ARM 0126<br>MTH 0401 Discussion |
| 0132 | Kendall Williams<br>MWF 9:00am - 9:50am<br>Tu 11:00am - 11:50am | Seats (Total: 22)<br>ARM 0126<br>EGR 3114 Discussion |
| 0141 | Kendall Williams<br>MWF 9:00am - 9:50am<br>Tu 12:00pm - 12:50pm | Seats (Total: 22)<br>ARM 0126<br>EGR 1102 Discussion |
| 0142 | Kendall Williams<br>MWF 9:00am - 9:50am<br>Tu 12:00pm - 12:50pm | Seats (Total: 22)<br>ARM 0126<br>EGR 0135 Discussion |

|      |  |   |            |
|------|--|---|------------|
| 0211 | Antoine Mellet<br>TuTh 9:30am - 10:45am<br>W 8:00am - 8:50am   | Seats (Total: 22)<br>ARM 0126<br>MTH 0403 | Discussion |
| 0212 | Antoine Mellet<br>TuTh 9:30am - 10:45am<br>W 8:00am - 8:50am   | Seats (Total: 22)<br>ARM 0126<br>MTH 0201 | Discussion |
| 0221 | Antoine Mellet<br>TuTh 9:30am - 10:45am<br>W 9:00am - 9:50am   | Seats (Total: 22)<br>ARM 0126<br>MTH 0403 | Discussion |
| 0222 | Antoine Mellet<br>TuTh 9:30am - 10:45am<br>W 9:00am - 9:50am   | Seats (Total: 22)<br>ARM 0126<br>MTH 0201 | Discussion |
| 0231 | Antoine Mellet<br>TuTh 9:30am - 10:45am<br>W 10:00am - 10:50am | Seats (Total: 22)<br>ARM 0126<br>MTH 0403 | Discussion |
| 0232 | Antoine Mellet<br>TuTh 9:30am - 10:45am<br>W 10:00am - 10:50am | Seats (Total: 22)<br>ARM 0126<br>MTH 0201 | Discussion |
| 0241 | Antoine Mellet<br>TuTh 9:30am - 10:45am<br>W 11:00am - 11:50am | Seats (Total: 22)<br>ARM 0126<br>MTH 0403 | Discussion |
| 0242 | Antoine Mellet<br>TuTh 9:30am - 10:45am<br>W 11:00am - 11:50am | Seats (Total: 22)<br>ARM 0126<br>MTH 0201 | Discussion |
| 0411 | Michael Jakobson<br>TuTh 12:30pm - 1:45pm<br>M 8:00am - 8:50am | Seats (Total: 22)<br>ARM 0135<br>MTH 0403 | Discussion |
| 0421 | Michael Jakobson<br>TuTh 12:30pm - 1:45pm<br>M 9:00am - 9:50am | Seats (Total: 22)<br>ARM 0135<br>MTH 0403 | Discussion |

|      |  |   |            |
|------|--|---|------------|
| 0431 | Michael Jakobson<br>TuTh 12:30pm - 1:45pm<br>M 11:00am - 11:50am   | Seats (Total: 22)<br>ARM 0135<br>MTH 0403 | Discussion |
| 0441 | Michael Jakobson<br>TuTh 12:30pm - 1:45pm<br>M 12:00pm - 12:50pm   | Seats (Total: 22)<br>ARM 0135<br>MTH 0411 | Discussion |
| 0511 | Charles Levermore<br>TuTh 11:00am - 12:15pm<br>F 8:00am - 8:50am   | Seats (Total: 25)<br>ESJ 0224<br>ESJ 1215 | Discussion |
| 0512 | Charles Levermore<br>TuTh 11:00am - 12:15pm<br>F 8:00am - 8:50am   | Seats (Total: 25)<br>ESJ 0224<br>ESJ 1215 | Discussion |
| 0521 | Charles Levermore<br>TuTh 11:00am - 12:15pm<br>F 9:00am - 9:50am   | Seats (Total: 25)<br>ESJ 0224<br>ESJ 1215 | Discussion |
| 0522 | Charles Levermore<br>TuTh 11:00am - 12:15pm<br>F 9:00am - 9:50am   | Seats (Total: 25)<br>ESJ 0224<br>ESJ 1215 | Discussion |
| 0531 | Charles Levermore<br>TuTh 11:00am - 12:15pm<br>F 10:00am - 10:50am | Seats (Total: 25)<br>ESJ 0224<br>ESJ 1215 | Discussion |
| 0532 | Charles Levermore<br>TuTh 11:00am - 12:15pm<br>F 10:00am - 10:50am | Seats (Total: 25)<br>ESJ 0224<br>ESJ 1215 | Discussion |
| 0601 | Alice Wang<br>TuTh 9:30am - 10:45am                                | Seats (Total: 22)<br>ATL 2316             |            |

## MATH246H Differential Equations for Scientists and Engineers

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: MATH246 or MATH341.*

*An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations.*

For general honors students only. MATH241H will use MATLAB.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Kendall Williams      | Seats (Total: 33) |
|      | TuTh 12:30pm - 1:45pm | MTH 0304          |

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## **MATH274      History of Mathematics**

Credits: 3      Grading Method: Regular,      CORE: IE  
Pass-Fail, Audit

*Prerequisite: MATH120, MATH130, or MATH140; or must have completed MATH220.*

*An overview of aspects in the history of mathematics from its beginning in the concrete problem solving of ancient times through the development of abstraction in the 19th and 20th centuries. The course considers both mathematical ideas and the context in which they developed in various civilizations around the world.*

MATH 274 cannot satisfy a CMSC major requirement.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Raluca Rosca        | Seats (Total: 25) |
|      | MWF 2:00pm - 2:50pm | MTH 0407          |

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## **MATH299A      Selected Topics in Mathematics; Special Topics in Study Abroad II: Introduction to Mathematical Computing**

Credits: 3      Grading Method: Regular

*Topics of special interest under the general guidance of the departmental committee on undergraduate studies.*

**Contact department for information to register for this course.**

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## **MATH299B      Selected Topics in Mathematics; Putnam Express**

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Topics of special interest under the general guidance of the departmental committee on undergraduate studies.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Roohollah Ebrahimian | Seats (Total: 22) |
|      | M 4:00pm - 5:30pm    | MTH 0102          |

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**MATH299N      Selected Topics in Mathematics; Number Theory Seminar**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics of special interest under the general guidance of the departmental committee on undergraduate studies.*

Prerequisite: Completion of two 400-level MATH courses.

|      |                     |                   |
|------|---------------------|-------------------|
| 0201 | Lawrence Washington | Seats (Total: 20) |
|      | F 3:00pm - 3:50pm   | MTH 0405          |

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**MATH310      Introduction to Mathematical Proof**

Credits: 3                      Grading Method: Regular

*Prerequisite: Minimum grade of C- in MATH141; and must have completed or be concurrently enrolled in MATH240, MATH341, or MATH461; and must have completed or be concurrently enrolled in MATH241 or MATH340. Restriction: Must be in a major within the CMNS-Mathematics department. Credit only granted for: MATH307 or MATH310. Additional information: Math majors may not use this course to satisfy an upper-level requirement.*

*To develop the students' ability to construct a rigorous proof of a mathematical claim. Students will also be made aware of mathematical results that are of interest to those wishing to analyze a particular mathematical model. Topics will be drawn from logic, set theory, structure of the number line, elementary topology, metric spaces, functions, sequences and continuity.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0201 | Kathryn Truman        | Seats (Total: 28) |
|      | MWF 10:00am - 10:50am | MTH 0307          |
| 0301 | Jeffrey Adams         | Seats (Total: 28) |
|      | MWF 12:00pm - 12:50pm | MTH 0401          |
| 0401 | Fei Wang              | Seats (Total: 28) |
|      | MWF 11:00am - 11:50am | MTH 0101          |
| 0501 | Stephen Balady        | Seats (Total: 28) |
|      | MWF 1:00pm - 1:50pm   | ESJ 0215          |

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**MATH314      Introduction to Probability, Data, Analysis and Statistics for Preservice Middle School Teachers**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH214. Restriction: Must be in one of the following programs (Elementary Education; Special Education; Middle School Education). Credit only granted for: MATH314 or STAT100.*

*Analysis of bivariate data, probability and randomness, law of large numbers, central limit theorem, probabilities for independent and dependent events, counting techniques, random variables and probability distributions, expected values, sampling distributions, and confidence intervals.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | William Viviani      | Seats (Total: 20) |
|      | TuTh 2:00pm - 3:15pm | ASY 3217          |

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### **MATH315 Algebra for Preservice Middle School Teachers**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH212. Restriction: Must be in one of the following programs (Elementary Education; Special Education; Middle School Education). Credit only granted for: MATH112, MATH113, or MATH315.*

*Algebraic concepts and techniques developed in the middle grades, with their larger mathematical context. Equations, inequalities and functions (linear, polynomial, exponential, logarithmic), with multiple representations of relationships. Common misconceptions of beginning algebra students.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Carolina Napp-Avelli | Seats (Total: 25) |
|      | MW 2:00pm - 3:15pm   | EDU 2212          |

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### **MATH340 Multivariable Calculus, Linear Algebra and Differential Equations I (Honors)**

(Perm req)

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH141 and MATH140; and permission of CMNS-Mathematics department; and permission will be granted only to incoming freshmen. Credit only granted for: MATH241 or MATH340.*

*First semester of the MATH340-341 sequence which gives a unified and enriched treatment of multivariable calculus, linear algebra and ordinary differential equations, with supplementary material from subjects such as differential geometry, Fourier series and calculus of variations. Students completing MATH340-341 will have covered the material of MATH240, MATH241, and MATH246, and may not also receive credit for MATH240, MATH241 or MATH246.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Niranjan Ramachandran | Seats (Total: 25) |
|      | MWF 9:00am - 10:15am  | MTH B0421         |
| 0201 | Casey Cremins         | Seats (Total: 25) |
|      | MWF 3:00pm - 4:15pm   | MTH 0101          |



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**MATH386****Experiential Learning**

(Perm req)

Credits: 3-6

Grading Method: Regular,  
Pass-Fail*Prerequisite: Must have learning proposal approved by the CMNS Mathematics Department.***Contact department for information to register for this course.**

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**MATH401****Applications of Linear Algebra**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit*Prerequisite: 1 course with a minimum grade of C- from (MATH461, MATH240, MATH341).**Various applications of linear algebra: theory of finite games, linear programming, matrix methods as applied to finite Markov chains, random walk, incidence matrices, graphs and directed graphs, networks and transportation problems.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Wiseley Wong<br>MWF 10:00am - 10:50am           | Seats (Total: 32)<br>MTH 0101 |
| 0201 | Javier Morales Delgado<br>MWF 12:00pm - 12:50pm | Seats (Total: 31)<br>MTH 0307 |
| 0301 | Justin Wyss-Gallifent<br>MWF 1:00pm - 1:50pm    | Seats (Total: 33)<br>CHM 1228 |
| 0401 | Michael Jakobson<br>TuTh 11:00am - 12:15pm      | Seats (Total: 32)<br>MTH 0201 |
| 0501 | Wiseley Wong<br>MWF 1:00pm - 1:50pm             | Seats (Total: 32)<br>MTH 0106 |

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**MATH402****Algebraic Structures**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit*Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH341, MATH461).**Restriction: Must not be in any of the following programs (Mathematics (Master's); Mathematics (Doctoral)). Credit only granted for: MATH402 or MATH403.*

*For students having only limited experience with rigorous mathematical proofs. Parallels MATH403. Students planning graduate work in mathematics should take MATH403. Groups, rings, integral domains and fields, detailed study of several groups; properties of integers and polynomials. Emphasis is on the origin of the mathematical ideas studied and the logical structure of the subject.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Frances Gulick        | Seats (Total: 25) |
|      | TuTh 12:30pm - 1:45pm | EGR 2116          |

## **MATH403 Introduction to Abstract Algebra**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH461, MATH340); and 1 course with a minimum grade of C- from (MATH341, MATH241); and minimum grade of C- in MATH310. Or students who have taken courses with comparable content may contact the department. Credit only granted for: MATH402 or MATH403.*

*Integers; groups, rings, integral domains, fields.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Roohollah Ebrahimian  | Seats (Total: 30) |
|      | MWF 2:00pm - 2:50pm   | MTH 0305          |
| 0201 | Xuhua He              | Seats (Total: 25) |
|      | MWF 11:00am - 11:50am | MTH 1313          |

## **MATH405 Linear Algebra**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH461, MATH341); and minimum grade of C- in MATH310.*

*An abstract treatment of finite dimensional vector spaces. Linear transformations and their invariants.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Harry Tamvakis        | Seats (Total: 31) |
|      | TuTh 2:00pm - 3:15pm  | MTH 0305          |
| 0201 | Dipendra Prasad       | Seats (Total: 31) |
|      | MWF 12:00pm - 12:50pm | MTH 0303          |

## **MATH406 Introduction to Number Theory**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH241, MATH246, MATH340, MATH341, MATH461); or permission of CMNS-Mathematics department.*

*Integers, divisibility, prime numbers, unique factorization, congruences, quadratic reciprocity, Diophantine equations and arithmetic functions.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Thomas Haines         | Seats (Total: 28) |
|      | MWF 10:00am - 10:50am | MTH 1313          |
| 0201 | Manjit Bhatia         | Seats (Total: 28) |
|      | MWF 12:00pm - 12:50pm | MTH 0407          |
| 0301 | James Schafer         | Seats (Total: 27) |
|      | TuTh 12:30pm - 1:45pm | MTH 0102          |

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## **MATH410**

### **Advanced Calculus I**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH461, MATH341); and 1 course with a minimum grade of C- from (MATH340, MATH241); and minimum grade of C- in MATH310. Or students who have taken courses with comparable content may contact the department.*

*First semester of a year course. Subjects covered during the year are: sequences and series of numbers, continuity and differentiability of real valued functions of one variable, the Riemann integral, sequences of functions and power series. Functions of several variables including partial derivatives, multiple integrals, line and surface integrals. The implicit function theorem.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Kasso Okoudjou        | Seats (Total: 30) |
|      | MWF 9:00am - 9:50am   | MTH 0307          |
| 0201 | Denny Gulick          | Seats (Total: 30) |
|      | MWF 10:00am - 10:50am | MTH 0303          |
| 0301 | Manoussos Grillakis   | Seats (Total: 30) |
|      | MWF 11:00am - 11:50am | MTH B0421         |
| 0401 | Kendall Williams      | Seats (Total: 30) |
|      | MWF 12:00pm - 12:50pm | MTH 0304          |

|      |   |                                |
|------|---|--------------------------------|
| 0501 | Charles Levermore<br>TuTh 9:30am - 10:45am  | Seats (Total: 30)<br>MTH 0101  |
| 0601 | Nathaniael Manning<br>MWF 10:00am - 10:50am | Seats (Total: 30)<br>MTH B0423 |

## MATH411

### Advanced Calculus II

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in MATH410; and permission of CMNS-Mathematics department.  
Credit only granted for: MATH411 or MATH412.*

*Continuation of MATH410.*

|      |   |                                |
|------|---|--------------------------------|
| 0101 | David Hamilton<br>MWF 10:00am - 10:50am | Seats (Total: 32)<br>CHM 1228  |
| 0201 | Matei Machedon<br>TuTh 12:30pm - 1:45pm | Seats (Total: 32)<br>MTH B0421 |

## MATH416

### Applied Harmonic Analysis: An Introduction to Signal Processing

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in MATH141; and 1 course with a minimum grade of C- from (MATH240, MATH461, MATH341); and familiarity with MATLAB is required.*

*Introduces students to the mathematical concepts arising in signal analysis from the applied harmonic analysis point of view. Topics include applied linear algebra, Fourier series, discrete Fourier transform, Fourier transform, Shannon Sampling Theorem, wavelet bases, multiresolution analysis, and discrete wavelet transform.*

|      |                                       |                               |
|------|---------------------------------------|-------------------------------|
| 0101 | Wojciech Czaja<br>MWF 9:00am - 9:50am | Seats (Total: 25)<br>MTH 0101 |
|------|---------------------------------------|-------------------------------|

## MATH424

### Introduction to the Mathematics of Finance

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in MATH141; and 1 course with a minimum grade of C- from (STAT400, STAT410); and permission of CMNS-Mathematics department. Recommended: MATH246, MATH240, MATH241, MATH340, or MATH341. Credit only granted for: BMGT444, MATH424.*

*Introduction to the mathematical models used in finance and economics with emphasis on pricing derivative instruments. Designed for students in mathematics, computer science, engineering, finance and physics. Financial markets and instruments; elements from basic probability theory; interest rates and present value analysis; normal distribution of stock returns; option pricing; arbitrage pricing theory; the multiperiod binomial model; the Black-Scholes option pricing formula; proof of the Black-Scholes option pricing formula and applications; trading and hedging of options; Delta hedging; utility functions and portfolio theory; elementary stochastic calculus; Ito's Lemma; the Black-Scholes equation and its conversion to the heat equation.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Steven Chadwick       | Seats (Total: 34) |
|      | MWF 10:00am - 10:50am | MTH 0306          |

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### **MATH431      Geometry for Computer Applications**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (MATH461, MATH240, MATH341).*

*Topics from projective geometry and transformation geometry, emphasizing the two-dimensional representation of three-dimensional objects and objects moving about in the plane and space. The emphasis will be on formulas and algorithms of immediate use in computer graphics.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Brian Collier         | Seats (Total: 25) |
|      | MWF 10:00am - 10:50am | MTH 0104          |

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### **MATH432      Introduction to Topology**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in MATH410.*

*Metric spaces, topological spaces, connectedness, compactness (including Heine-Borel and Bolzano-Weierstrass theorems), Cantor sets, continuous maps and homeomorphisms, fundamental group (homotopy, covering spaces, the fundamental theorem of algebra, Brouwer fixed point theorem), surfaces (e.g., Euler characteristic, the index of a vector field, hairy sphere theorem), elements of combinatorial topology (graphs and trees, planarity, coloring problems).*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Sarah Yeakel          | Seats (Total: 25) |
|      | TuTh 12:30pm - 1:45pm | MTH 0105          |

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**MATH445****Elementary Mathematical Logic**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in MATH141.*

*Elementary development of propositional and predicate logic, including semantics and deductive systems and with a discussion of completeness, incompleteness and the decision problem.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Caroline Terry      | Seats (Total: 25) |
|      | MWF 3:00pm - 3:50pm | MTH 0407          |

**MATH452****Introduction to Dynamics and Chaos**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in MATH246; and 1 course with a minimum grade of C- from (MATH240, MATH461). Or minimum grade of C- in MATH340 and MATH341. Also offered as: AMSC452. Credit only granted for: AMSC452 or MATH452.*

*An introduction to mathematical dynamics and chaos. Orbits, bifurcations, Cantor sets and horseshoes, symbolic dynamics, fractal dimension, notions of stability, flows and chaos. Includes motivation and historical perspectives, as well as examples of fundamental maps studied in dynamics and applications of dynamics.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Christian Rosendal    | Seats (Total: 20) |
|      | MWF 11:00am - 11:50am | MTH 1308          |

**MATH456****Cryptography**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have completed two 400-level MATH courses (not to include MATH 461, 478, and 480's) with a minimum grade of C-. Or minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Mathematics department. Also offered as: CMSC456. Credit only granted for: MATH456 or CMSC456.*

*Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability. Computer science topics include complexity theory.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Samuel Ranellucci  | Seats (Total: 50) |
|      | MW 5:00pm - 6:15pm | CSI 2117          |

**MATH461****Linear Algebra for Scientists and Engineers**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in MATH141; and must have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: MATH240, MATH341, or MATH461.*

*Additional information: This course may not be used towards the upper level math requirements for MATH/STAT majors.*

*Basic concepts of linear algebra. This course is similar to MATH 240, but with more extensive coverage of the topics needed in applied linear algebra: change of basis, complex eigenvalues, diagonalization, the Jordan canonical form.*

|      |  |  |
|------|--|--|
| 0111 | Allan Yashinski<br>TuTh 2:00pm - 3:15pm<br>M 9:00am - 9:50am   | Seats (Total: 30)<br>ARM 0126<br>MTH 0106              Discussion  |
| 0112 | Allan Yashinski<br>TuTh 2:00pm - 3:15pm<br>M 9:00am - 9:50am   | Seats (Total: 30)<br>ARM 0126<br>MTH 0409              Discussion  |
| 0113 | Allan Yashinski<br>TuTh 2:00pm - 3:15pm<br>M 9:00am - 9:50am   | Seats (Total: 30)<br>ARM 0126<br>MTH 0407              Discussion  |
| 0121 | Allan Yashinski<br>TuTh 2:00pm - 3:15pm<br>M 11:00am - 11:50am | Seats (Total: 30)<br>ARM 0126<br>MTH B0429              Discussion |
| 0122 | Allan Yashinski<br>TuTh 2:00pm - 3:15pm<br>M 11:00am - 11:50am | Seats (Total: 29)<br>ARM 0126<br>MTH 0302              Discussion  |
| 0131 | Allan Yashinski<br>TuTh 2:00pm - 3:15pm<br>M 12:00pm - 12:50pm | Seats (Total: 30)<br>ARM 0126<br>MTH B0429              Discussion |
| 0132 | Allan Yashinski<br>TuTh 2:00pm - 3:15pm<br>M 12:00pm - 12:50pm | Seats (Total: 30)<br>ARM 0126<br>MTH 0305              Discussion  |

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0141 | Allan Yashinski      | Seats (Total: 30) |            |
|      | TuTh 2:00pm - 3:15pm | ARM 0126          |            |
|      | M 2:00pm - 2:50pm    | MTH 0304          | Discussion |
| 0142 | Allan Yashinski      | Seats (Total: 30) |            |
|      | TuTh 2:00pm - 3:15pm | ARM 0126          |            |
|      | M 2:00pm - 2:50pm    | MTH 0302          | Discussion |
| 0143 | Allan Yashinski      | Seats (Total: 30) |            |
|      | TuTh 2:00pm - 3:15pm | ARM 0126          |            |
|      | M 2:00pm - 2:50pm    | MTH 0103          | Discussion |

## MATH462

### Partial Differential Equations

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (MATH241, MATH340); and 1 course with a minimum grade of C- from (MATH246, MATH341).*

*Linear spaces and operators, orthogonality, Sturm-Liouville problems and eigenfunction expansions for ordinary differential equations. Introduction to partial differential equations, including the heat equation, wave equation and Laplace's equation. Boundary value problems, initial value problems and initial-boundary value problems.*

|      |                       |                   |  |
|------|-----------------------|-------------------|--|
| 0101 | Antoine Mellet        | Seats (Total: 27) |  |
|      | TuTh 12:30pm - 1:45pm | MTH 1308          |  |
| 0201 | Ricardo Nochetto      | Seats (Total: 25) |  |
|      | TuTh 2:00pm - 3:15pm  | MTH 1313          |  |

## MATH463

### Complex Variables for Scientists and Engineers

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (MATH241, MATH340).*

*The algebra of complex numbers, analytic functions, mapping properties of the elementary functions. Cauchy integral formula. Theory of residues and application to evaluation of integrals. Conformal mapping.*

|      |                       |                   |  |
|------|-----------------------|-------------------|--|
| 0201 | Richard Wentworth     | Seats (Total: 25) |  |
|      | TuTh 9:30am - 10:45am | MTH 0407          |  |



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**MATH464 Transform Methods for Scientists and Engineers**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (MATH246, MATH341).*

*Fourier transform, Fourier series, discrete fast Fourier transform (DFT and FFT). Laplace transform. Poisson summations, and sampling. Optional Topics: Distributions and operational calculus, PDEs, Wavelet transform, Radon transform and applications such as Imaging, Speech Processing, PDEs of Mathematical Physics, Communications, Inverse Problems.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Wojciech Czaja        | Seats (Total: 27) |
|      | MWF 11:00am - 11:50am | MTH 0104          |

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**MATH470 Mathematics for Secondary Education**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH141 and MATH140; and must have completed one 400-level MATH course (not to include MATH461, 478, and 480's).*

*An advanced perspective on some of the core mathematics underlying high school mathematics courses. Topics include number systems, functions of one variable, equations, inequalities, trigonometric functions, curve fitting, and polynomials. The course includes an analysis of alternate approaches to mathematical ideas and problems, and makes connections between ideas that may have been studied separately in different high school and college courses.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Catherine VanNetta   | Seats (Total: 20) |
|      | TuTh 5:00pm - 6:15pm | MMH 1304          |

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**MATH478A Selected Topics For Teachers of Mathematics**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**MATH480 Algebra for Middle School Teachers**

Credits: 3                      Grading Method: Regular

*Prerequisite: MATH214. Restriction: Must be a middle school teacher; and permission of CMNS-Mathematics department. Credit only granted for: MATH480 or MATH483. Additional information: Not applicable to MATH/STAT major or minor requirements.*

*Prepares teachers with elementary certification to teach Algebra 1 in middle school. Focuses on basic algebra concepts and related theoretical ideas.*

**Contact department for information to register for this course.**

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**MATH489****Research Interactions in Mathematics; Research Interactions in Mathematics**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Students participate in a vertically integrated (undergraduate, graduate and/or postdoctoral, faculty) mathematics research group. Format varies. Students and supervising faculty will agree to a contract which must be approved by the department. Up to three credits of MATH489 may be applied to the mathematics degree requirements. See the department's MATH489 online syllabus for further information.*

**Contact department for information to register for this course.**

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**MATH498A****Selected Topics in Mathematics**

(Perm req)

Credits: 1-9

Grading Method: Regular,  
Pass-Fail, Audit

*Topics of special interest to advanced undergraduate students will be offered occasionally under the general guidance of the departmental committee on undergraduate studies.*

**Contact department for information to register for this course.**

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**MATH600****Abstract Algebra I**

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: MATH405 and MATH403; or students who have taken courses with comparable content may contact the department.*

*Groups with operators, homomorphism and isomorphism theorems, normal series, Sylow theorems, free groups, Abelian groups, rings, integral domains, fields, modules. Topics may include HOM (A,B), Tensor products, exterior algebra.*

Offered fall only.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Amin Gholampour       | Seats (Total: 25) |
|      | MWF 12:00pm - 12:50pm | MTH 1313          |

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**MATH602****Homological Algebra**

Credits: 3

Grading Method: Regular,  
Audit

*Projective and injective modules, homological dimensions, derived functors, spectral sequence of a composite functor. Applications.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | James Schafer         | Seats (Total: 20) |
|      | TuTh 9:30am - 10:45am | MTH 1311          |

**MATH606**

# Algebraic Geometry I

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: MATH600 and MATH601.*

*Prime and primary ideals in Noetherian rings, Hilbert Nullstellensatz, places and valuations, prevarieties (in the sense of Serre), dimension, morphisms, singularities, varieties, schemes, rationality.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Thomas Haines         | Seats (Total: 20) |
|      | MWF 12:00pm - 12:50pm | MTH 0409          |

**MATH630**

# Real Analysis I

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: MATH411; or students who have taken courses with comparable content may contact the department.*

*Lebesgue measure and the Lebesgue integral on  $\mathbb{R}$ , differentiation of functions of bounded variation, absolute continuity and fundamental theorem of calculus,  $L_p$  spaces on  $\mathbb{R}$ , Riesz-Fischer theorem, bounded linear functionals on  $L_p$ , measure and outer measure, Fubini's theorem.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Radu Balan            | Seats (Total: 25) |
|      | TuTh 12:30pm - 1:45pm | CSI 4122          |

**MATH634**

## Harmonic Analysis

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: MATH630.*

*L1 theory: Fejer theorem, inversion theorem, ideal structure, Tauberian theorem. L2 theory: Plancherel-Parseval theorems, Paley-Wiener theorem. Lp theory: Hausdorff-Young theorem. Distribution theory: Bochner's theorem, Wiener continuous measures theorem, Malliavin theorem, Schwartz theory, almost periodic functions.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | John Benedetto        | Seats (Total: 20) |
|      | TuTh 12:30pm - 1:45pm | MTH 1311          |

## MATH670 Ordinary Differential Equations I

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: MATH405. And MATH410; or students who have taken courses with comparable content may contact the department. Also offered as: AMSC670. Credit only granted for: AMSC670 or MATH670.*

*Existence and uniqueness, linear systems usually with Floquet theory for periodic systems, linearization and stability, planar systems usually with Poincare-Bendixson theorem.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Dmitry Dolgopyat      | Seats (Total: 25) |
|      | TuTh 12:30pm - 1:45pm | MTH 0407          |

## MATH673 Partial Differential Equations I

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: MATH411; or students who have taken courses with comparable content may contact the department. Also offered as: AMSC673. Credit only granted for: AMSC673 or MATH673.*

*Analysis of boundary value problems for Laplace's equation, initial value problems for the heat and wave equations. Fundamental solutions, maximum principles, energy methods. First order nonlinear PDE, conservation laws. Characteristics, shock formation, weak solutions. Distributions, Fourier transform.*

Offered fall only.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Konstantina Trivisa    | Seats (Total: 25) |
|      | TuTh 11:00am - 12:15pm | MTH 0307          |

## MATH689 Research Interactions in Mathematics

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

*The students participate in a vertically integrated (undergraduate, graduate and/or postdoctoral, faculty) research group. Format varies, but includes regular meetings, readings and presentations of material. See graduate program's online syllabus or contact the graduate program director for more information.*

**Contact department for information to register for this course.**

**MATH695****Teaching Seminar**

Credits: 1                      Grading Method: Regular

*Restriction: Must be in one of the following programs (Mathematics (Doctoral); Mathematics (Master's); Mathematical Statistics (Doctoral); Applied Mathematics and Scientific Computation (Master's); Mathematical Statistics (Master's); Applied Mathematics and Scientific Computation (Doctoral)).*

*A course intended for first year teaching assistants. Topics include: everyday mechanics of teaching; teaching methods and styles; technology; course enrichment, diversity in the classroom; sexual harassment; teacher-student interactions; presentations by students.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Justin Wyss-Gallifent | Seats (Total: 25) |
|      | W 4:00pm - 5:30pm     | MTH B0421         |

**MATH712****Mathematical Logic I**

Credits: 3                      Grading Method: Regular,  
Audit

*Sentential logic, first-order languages, models and formal deductions. Basic model theory including completeness and compactness theorems, other methods of constructing models, and applications such as non-standard analysis.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Michael Laskowski   | Seats (Total: 15) |
|      | MWF 1:00pm - 1:50pm | MTH 2300          |

**MATH730****Fundamental Concepts of Topology**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: MATH403, MATH410, and MATH411; or students who have taken courses with comparable content may contact the department.*

*Survey of basic point set topology, fundamental group, covering spaces, Van Kampen's theorem, simplicial complexes, simplicial homology, Euler characteristics and classification of surfaces.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Steve Halperin      | Seats (Total: 25) |
|      | MWF 9:00am - 9:50am | MTH 0104          |

**MATH742****Geometric Analysis**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: MATH673 and MATH674; or MATH740.*

*Calculus of Variations, Bochner technique, Morse theory, weak solutions and elliptic regularity, maximum principle for elliptic and parabolic equations, Green's function of the Laplacian, isoperimetric and Sobolev inequalities, continuity method, curvature and comparison results, harmonic maps, curvature prescription problems.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Yanir Rubinstein     | Seats (Total: 25) |
|      | TuTh 2:00pm - 3:15pm | MTH B0431         |

## MATH799

### Master's Thesis Research

Credits: 1-6      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

## MATH808A

### Selected Topics in Algebra

Credits: 1-3      Grading Method: Regular

*Advanced topics of current interest.*

**Contact department for information to register for this course.**

## MATH808J

### Selected Topics in Algebra; Moduli of Elliptic Curves

Credits: 1-3      Grading Method: Regular, Audit

*Advanced topics of current interest.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Michael Rapoport    | Seats (Total: 20) |
|      | MWF 1:00pm - 1:50pm | MTH 0102          |

## MATH808L

### Selected Topics in Algebra; Elliptic Curves

Credits: 1-3      Grading Method: Regular, Audit

*Advanced topics of current interest.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Lawrence Washington   | Seats (Total: 20) |
|      | MWF 10:00am - 10:50am | MTH 1311          |

## MATH818A

### Selected Topics in Logic

Credits: 1-3      Grading Method: Regular, Audit

*Advanced topics of current interest.*

**Contact department for information to register for this course.**

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**MATH848A      Selected Topics in Geometry and Topology**

Credits: 1-3      Grading Method: Regular,  
Audit

*Advanced topics of current interest.*

**Contact department for information to register for this course.**

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**MATH848E      Selected Topics in Geometry and Topology; Scissors Congruence and Invariants of 3-Manifolds**

Credits: 1-3      Grading Method: Regular,  
Audit

*Advanced topics of current interest.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Christian Zickert      | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | EGR 2116          |

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**MATH858A      Selected Topics in Analysis**

Credits: 1-3      Grading Method: Regular,  
Audit

*Advanced topics of current interest.*

**Contact department for information to register for this course.**

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**MATH858N      Selected Topics in Analysis; Topics in Non-Linear Analysis**

Credits: 1-3      Grading Method: Regular,  
Audit

*Advanced topics of current interest.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Jacobo Pejsachowicz | Seats (Total: 20) |
|      | MWF 2:00pm - 2:50pm | MTH 0401          |

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**MATH868A      Selected Topics in Complex Analysis**

Credits: 1-3      Grading Method: Regular,  
Audit

*Advanced topics of current interest.*

**Contact department for information to register for this course.**

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**MATH898 Pre-Candidacy Research**

Credits: 1-8                      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**MATH899 Doctoral Dissertation Research**

(Perm req)                      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**MEES Marine-Estuarine-Environmental Sciences**

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**Fall 2017****MEES498I Topics in Marine-Estuarine-Environmental Sciences; Chesapeake Bay Health**

Credits: 3                      Grading Method: Regular, Pass-Fail, Audit

*Lecture and/or laboratory series organized to study a selected area of marine-estuarine-environmental sciences not otherwise considered in formal courses.*

Also offered as MEES698I. Credit granted for MEES498I or MEES698I. Taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Carys Mitchelmore    | Seats (Total: 20) |
|      | TuTh 2:00pm - 3:30pm | HJP 1213B         |

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**MEES607 Quantitative Methods in Environmental Sciences**

Credits: 3                      Grading Method: Regular, Audit

*Prerequisite: MATH120 and MATH121; or must have completed MATH220 and MATH221; or students who have taken courses with comparable content may contact the department. Credit only granted for: MEES607 or MEES698G. Formerly: MEES698G.*

*Mathematical approaches and solutions (both analytical and numerical) that cut across environmental disciplines, and will introduce analytical techniques.*

Taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

|      |                                |   |
|------|--------------------------------|---|
| 0101 | Lawrence Sanford, Hongsheng Bi | Seats (Total: 20)                         |
|      | MW 1:00pm - 2:20pm             | HJP 1213B                                 |
|      | F 8:00am - 9:00am              | HJP 1213B                      Discussion |



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**MEES608B Seminar in Marine-Estuarine-Environmental Sciences; Responsible Conduct of Research**

Credits: 1                      Grading Method: Regular,  
   Audit

Taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

|      |                             |                   |
|------|-----------------------------|-------------------|
| 0101 | Thomas Miller, Russell Hill | Seats (Total: 20) |
|      | M 11:30am - 12:20pm         | HJP 1213B         |

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**MEES608D Seminar in Marine-Estuarine-Environmental Sciences; Scientific Writing and Communication**

Credits: 2                      Grading Method: Regular,  
   Audit

Taught at the Horn Point Laboratory and on the Interactive Video Network.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Elizabeth North    | Seats (Total: 24) |
|      | F 9:00am - 10:50am | HJP 1213B         |

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**MEES608O Seminar in Marine-Estuarine-Environmental Sciences; Current Topics in Omics: Cell Biology, Genetics and Genomics**

Credits: 2                      Grading Method: Regular,  
   Audit

Course is taught at the Institute of Marine & Environmental Technology, Baltimore, MD and on the Interactive Video Network.

|      |                         |                   |
|------|-------------------------|-------------------|
| 0101 | Jum Sook Chung, Shao Du | Seats (Total: 10) |
|      | F 12:00pm - 1:50pm      | HJP 1213B         |

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**MEES618A Seminars in Marine Estuarine Environmental Sciences; Transdisciplinary Science for Environmental Problem Solving**

Credits: 2                      Grading Method: Regular,  
   Audit

*Topics of interest in Marine Estuarine Environmental Sciences*

Taught from Horn Point Laboratories (HPL) using Bluejeans.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | William Dennison    | Seats (Total: 15) |
|      | F 10:00am - 11:50am | HJP 1213C         |

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**MEES626****Environmental Geochemistry I**

Credits: 3                      Grading Method: Regular,  
   Audit

*Recommended: Completion of one semester of physical chemistry is recommended. Restriction: Permission of instructor. Credit only granted for: MEES626 or MEES698L. Formerly: MEES698L.*

*Brief overview of biogeochemical cycles; fundamental aquatic chemistry that can be applied to a variety of environmental systems.*

Taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Johan Schijf       | Seats (Total: 25) |
|      | MW 8:30am - 9:50am | HJP 1213C         |

**MEES640****Interconnected Earth Systems:Land, Ocean, and Estuary**

Credits: 4                      Grading Method: Regular,  
   Audit

*Explores the interconnected physical and biogeochemical systems of land, estuary, and ocean with cross cutting themes of human impacts and global change. Broad concepts will be combined with targeted interactive case studies to demonstrate how these systems are linked by humans, climate, and water.*

Taught on the Interactive video network.

|      |  |                   |
|------|--|-------------------|
| 0101 | Cindy Palinkas, Keith Eshleman, Laura Lapham | Seats (Total: 10) |
|      | TuTh 11:00am - 12:50pm                       | HJP 1213B         |

**MEES660****Ecological Systems**

Credits: 4                      Grading Method: Regular,  
   Audit

*An introduction to the field of ecology is provided for matriculating graduate students and prepares them for more advanced concepts. Students will be exposed to ecology both in theory and practice through lectures, readings, and quantitative exercises, round table debates and discussions with current practitioners.*

Taught on teh Interactive video network.

|      |                                 |                   |
|------|---------------------------------|-------------------|
| 0101 | Lora Harris, Robert Hilderbrand | Seats (Total: 20) |
|      | TuTh 9:00am - 10:50am           | HJP 1213B         |

## Cell and Molecular Biology for the Environmental Scientist- From Genes to Ecosystems

Credits: 4      Grading Method: Regular, Audit

*Introduces environmental scientists to the methods and approaches that are the foundations for today's breakthroughs in molecular and cellular biology. Detailed examination of papers published in the last few years along with online background materials will be used to reinforce the connection of key concepts to experimentation.*

Taught at the Institute of Marine & Environmental Technology (IMET) and over the Interactive Video Network.

|      |                             |                   |
|------|-----------------------------|-------------------|
| 0101 | Allen Place, Rosemary Jagus | Seats (Total: 10) |
|      | MW 8:00am - 9:50am          | HJP 1213B         |

**MEE698B**

## Special Topics in Marine-Estuarine-Environmental Sciences; Environmental Statistics I

Credits: 3      Grading Method: Regular,  
Audit

*Credit according to time schedule and course organization. Lecture and/or laboratory series organized to study selected areas of environmental science not otherwise considered by existing courses. May be repeated for credit since topic coverage will change.*

Taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

|      |                                  |                   |
|------|----------------------------------|-------------------|
| 0101 | Dong Liang, Viacheslav Lyubchich | Seats (Total: 35) |
|      | MW 10:00am - 11:30am             | HJP 1213B         |

**MEE698E**

## Special Topics in Marine-Estuarine-Environmental Sciences; Principles and Practices of Ecosystem Restoration

Credits: 3      Grading Method: Regular,  
Audit

*Credit according to time schedule and course organization. Lecture and/or laboratory series organized to study selected areas of environmental science not otherwise considered by existing courses. May be repeated for credit since topic coverage will change.*

Also offered as GEOL453 and GEOL789L. Overview of critical ecosystem functions across biomes/geologic settings emphasizing tradeoffs in restoration designs. Case studies illuminate structure's influence over biophysical and biogeochemical processes supporting ecosystems; then show how properties of physical, chemical, and ecosystem processes can be altered by different restoration strategies, to optimize ecosystem services and habitat quality. Includes a semester research project.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Sujay Kaushal      | Seats (Total: 20) |
|      | Tu 3:30pm - 6:30pm | BPS 1232          |

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**MEES698I      Special Topics in Marine-Estuarine-Environmental Sciences; Chesapeake Bay Health**

Credits: 3                      Grading Method: Regular,  
   Audit

*Credit according to time schedule and course organization. Lecture and/or laboratory series organized to study selected areas of environmental science not otherwise considered by existing courses. May be repeated for credit since topic coverage will change.*

Also offered as MEES498I. Credit granted for MEES498I or MEES698I. Taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Carys Mitchelmore    | Seats (Total: 20) |
|      | TuTh 2:00pm - 3:30pm | HJP 1213B         |

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**MEES698R      Special Topics in Marine-Estuarine-Environmental Sciences; Stable Isotopes in Environmental Research**

Credits: 3                      Grading Method: Regular,  
   Audit

*Credit according to time schedule and course organization. Lecture and/or laboratory series organized to study selected areas of environmental science not otherwise considered by existing courses. May be repeated for credit since topic coverage will change.*

Taught at Appalachian Laboratories (AL) and over the Interactive Video Network (IVN).

|      |  |                   |
|------|--|-------------------|
| 0101 | Laura Lapham, David Nelson, Lee Cooper | Seats (Total: 10) |
|      | TuTh 9:00am - 10:20am                  | HJP 1213C         |

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**MEES698X      Special Topics in Marine-Estuarine-Environmental Sciences; Global Environmental Remote Sensing**

Credits: 3                      Grading Method: Regular,  
   Audit

*Credit according to time schedule and course organization. Lecture and/or laboratory series organized to study selected areas of environmental science not otherwise considered by existing courses. May be repeated for credit since topic coverage will change.*

Taught at Appalachian Laboratories (AL) and over the Interactive Video Network (IVN).

|      |                               |                   |
|------|-------------------------------|-------------------|
| 0101 | Gregory Silsbe, Andrew Elmore | Seats (Total: 10) |
|      | TuTh 10:30am - 11:50am        | HJP 1213C         |

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**MEES699 Special Problems in Marine-Estuarine-Environmental Sciences**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

*Research on specialized topics under the direction of individual faculty members.*

**Contact department for information to register for this course.**

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**MEES708W Advanced Topics in Marine-Estuarine-Environmental Science; Algae, Bioenergy and Biodiversity**

Credits: 2      Grading Method: Regular,  
Audit

*Lectures, experimental courses and other specialized graduate training in various relevant disciplines.*

Taught at (IMET) and over the Interactive Video Network (IVN). Formerly offered as MEES708U (Fall 2016).

|      |                               |                   |
|------|-------------------------------|-------------------|
| 0101 | Tsvetan Bachvaroff, Yantao Li | Seats (Total: 10) |
|      | M 2:30pm - 4:20pm             | HJP 1213C         |

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**MEES718A Study Groups on Issues in Marine Estuarine Environmental Sciences; Long-term Change in the Patuxent Estuary**

Credits: 2      Grading Method: Regular,  
Audit

*Active discussions on current environmental topics and issues. Efforts may result in manuscripts, technical report or innovative communication products.*

Taught at Chesapeake Biological Laboratories (CBL) and over the Interactive Video Network (IVN).

|      |                             |                   |
|------|-----------------------------|-------------------|
| 0101 | Ryan Woodland, Laura Lapham | Seats (Total: 15) |
|      | M 2:30pm - 4:20pm           | Location: TBA     |

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**MEES718W Study Groups on Issues in Marine Estuarine Environmental Sciences; Classic Readings in Ecology**

Credits: 2      Grading Method: Regular,  
Audit

*Active discussions on current environmental topics and issues. Efforts may result in manuscripts, technical report or innovative communication products.*

Taught at Appalachian Laboratories (AL) and over the Interactive Video Network (IVN).

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Katharina Engelhardt | Seats (Total: 15) |
|      | F 12:00pm - 2:00pm   | HJP 1213C         |

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**MEES799 Masters Thesis Research**

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**MEES898 Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

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**MEES899 Doctoral Dissertation Research**

(Perm req)

Credits: 6      Grading Method: Regular

**Contact department for information to register for this course.**

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**MIEH**

**Maryland Institute for Applied  
Environmental Health**

**Fall 2017**

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**MIEH300 A Public Health Perspective: Introduction to Environmental Health**

Credits: 3      Grading Method: Regular

*Prerequisite: CHEM131 and CHEM132. Restriction: Junior standing or higher. And must be in Public Health Science program; or permission of SPHL-School of Public Health. Credit only granted for: SPHL498N or MIEH300. Formerly: SPHL498N.*

*Environmental health is that branch of public health that deals with the human health effects of exposure to chemical, physical, and biological agents in the community, workplace, and home. Activities within Environmental Health Sciences are associated with recognizing, assessing, understanding, and mitigating the impacts of chemical, physical, and biological agents as well as understanding how human behavior and action impacts the environment. The Environmental health field is a broad, multi-disciplinary field. Environmental health scientists face complex problems requiring multi-disciplinary approaches. This course focuses on the central concepts, principles, issues, and applications of the essential scientific components and strategies of control of major environmental health problems.*

|      |                     |                          |
|------|---------------------|--------------------------|
| 0101 | Sacoby Wilson       | Seats (Total: 20)        |
|      | MW 9:00am - 9:50am  | SPH 1312                 |
|      | W 10:00am - 10:50am | SPH 0307      Discussion |

|      |   |   |            |
|------|---|---|------------|
| 0102 | Sacoby Wilson<br>MW 9:00am - 9:50am<br>W 11:00am - 11:50am  | Seats (Total: 20)<br>SPH 1312<br>PLS 1172 | Discussion |
| 0103 | Sacoby Wilson<br>MW 9:00am - 9:50am<br>W 12:00pm - 12:50pm  | Seats (Total: 20)<br>SPH 1312<br>PLS 1176 | Discussion |
| 0104 | Sacoby Wilson<br>MW 9:00am - 9:50am<br>F 9:00am - 9:50am  | Seats (Total: 20)<br>SPH 1312<br>EGR 3102 | Discussion |
| 0105 | Sacoby Wilson<br>MW 9:00am - 9:50am<br>F 10:00am - 10:50am  | Seats (Total: 20)<br>SPH 1312<br>CHE 2116 | Discussion |
| 0106 | Sacoby Wilson<br>MW 9:00am - 9:50am<br>F 11:00am - 11:50am  | Seats (Total: 20)<br>SPH 1312<br>JMP 1202 | Discussion |
| SG91 | Sharon Barrett<br>Tu 2:00pm - 4:30pm<br><br><i>Restricted to Public Health Science students (code:12140).</i> | Seats (Total: 35)<br>BLD2 2052            |            |

### MIEH309

(Perm req)

### Environmental Health Research

Credits: 1-3

Grading Method: Regular

*This research-based course will provide undergraduates with the opportunity to work closely with one of the faculty researchers in the Maryland Institute for Applied Environmental Health (MIAEH) within the School of Public Health. Our research covers multiple fields within the environmental health sciences (e.g. environmental epidemiology, exposure science, risk assessment, environmental microbiology, environmental microbial genomics, food toxicology, airborne infection transmission, environmental justice, and children's environmental health) that involve either laboratory-based research or non-laboratory based studies. Students will not only gain invaluable research and interpersonal skills but also contribute to MIAEH's ongoing environmental health research programs.*

|      |   |                  |
|------|---|------------------|
| 0201 | Paul Turner<br>Contact instructor or department for details.  | Seats (Total: 5) |
| 0202 | Amir Sapkota<br>Contact instructor or department for details. | Seats (Total: 5) |

|      |   |                   |
|------|---|-------------------|
| 0203 | Amy Sapkota                                   | Seats (Total: 5)  |
|      | Contact instructor or department for details. |                   |
| 0204 | Donald Milton, Jennifer German                | Seats (Total: 25) |
|      | Contact instructor or department for details. |                   |
| 0205 | Robin Puett                                   | Seats (Total: 5)  |
|      | Contact instructor or department for details. |                   |
| 0206 | Sacoby Wilson                                 | Seats (Total: 5)  |
|      | Contact instructor or department for details. |                   |
| 0207 | Kristin Cipriani                              | Seats (Total: 5)  |
|      | Contact instructor or department for details. |                   |
| 0208 | Lesliam Quiros Alcala                         | Seats (Total: 5)  |
|      | Contact instructor or department for details. |                   |
| 0209 | Devon Payne-Sturges                           | Seats (Total: 5)  |
|      | Contact instructor or department for details. |                   |
| 0210 | Muhiuddin Haider                              | Seats (Total: 5)  |
|      | Contact instructor or department for details. |                   |

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**MIEH321**
**Syphilis to SARS: Climate Change, Development and Emergence of Infectious Diseases**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Syphilis to SARS will examine the influences of environmental factors, economic development, migration, and land use changes on emergence and reemergence of infectious diseases. Population growth, development, and climate change are impacting natural reservoirs of infectious diseases and how they transmit through human populations. The course will look at both historical accounts and newly emerging and reemerging diseases including influenza as examples of our role in altering the diseases that threaten us. We will also critically evaluate how the issues are portrayed in news and entertainment media and controversy about the ethics of research on deadly viruses.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Michael Bazaco     | Seats (Total: 30) |
|      | Tu 6:00pm - 8:30pm | SPH 0303          |

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**MIEH330**
**Environmental Justice, Racism, and Environmental Health Disparities: How where you live can kill you**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit



*Prerequisite: Minimum grade of C- in MIEH300. Restriction: Must be in a major in SPHL-School of Public Health. Credit only granted for: MIEH210 or MIEH330. Formerly: MIEH210.*

*Examination of environmental justice history, theory and science; discussion of linkages between the physical, natural, and social environments and environmental injustice; analysis of how environmental injustice can lead to adverse health conditions and environmental health disparities; discuss environmental justice case studies; and understanding of tools that can be used to understand and address environmental justice issues.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Sacoby Wilson         | Seats (Total: 30) |
|      | TuTh 12:30pm - 1:45pm | ATL 2416          |

## MIEH400

### Introduction to Global Health

Credits: 3

Grading Method: Regular

General Education: DVUP

*Prerequisite: Minimum grade of C- in MIEH300. Restriction: Must be in Public Health Science program; or permission of SPHL-School of Public Health. And must have earned a minimum of 60 credits. Credit only granted for: MIEH400 or SPHL498A. Formerly: SPHL498A.*

*Exploration of theoretical frameworks and practical perspectives on issues shaping the global health panorama. Determinants examined through: biological and epidemiological; social, cultural and economic; environmental and geographic; multi-section, legal and institutional perspectives with synopsis of how these issues are addressed by international and community organizations in developing countries.*

|      |                      |                          |
|------|----------------------|--------------------------|
| 0101 | Amir Sapkota         | Seats (Total: 20)        |
|      | MW 4:00pm - 4:50pm   | ESJ 2208                 |
|      | Th 11:00am - 11:50am | EGR 3114      Discussion |
| 0102 | Amir Sapkota         | Seats (Total: 20)        |
|      | MW 4:00pm - 4:50pm   | ESJ 2208                 |
|      | Th 12:30pm - 1:20pm  | CHE 2116      Discussion |
| 0103 | Amir Sapkota         | Seats (Total: 20)        |
|      | MW 4:00pm - 4:50pm   | ESJ 2208                 |
|      | Th 2:00pm - 2:50pm   | EGR 3102      Discussion |
| 0104 | Amir Sapkota         | Seats (Total: 20)        |
|      | MW 4:00pm - 4:50pm   | ESJ 2208                 |
|      | F 9:00am - 9:50am    | PLS 1168      Discussion |

|      |                     |                   |            |
|------|---------------------|-------------------|------------|
| 0105 | Amir Sapkota        | Seats (Total: 20) |            |
|      | MW 4:00pm - 4:50pm  | ESJ 2208          |            |
|      | F 10:00am - 10:50am | CHE 2136          | Discussion |
| 0106 | Amir Sapkota        | Seats (Total: 20) |            |
|      | MW 4:00pm - 4:50pm  | ESJ 2208          |            |
|      | F 11:00am - 11:50am | CHE 2136          | Discussion |

## MIEH600

### Foundations of Environmental Health

Credits: 3      Grading Method: Regular,  
Audit

*Credit only granted for: HLTH761 or MIEH600. Formerly: HLTH761.*

*Overview of the chemical, physical and biological hazards present in our living and working environment and their effects on human health. Topics include: exposure assessment, industrial hygiene and safety, pesticides, community and indoor pollution, food-borne diseases, solid and hazardous wastes, water resources, risk assessment, ecological issues and environmental laws.*

|      |   |                   |  |
|------|---|-------------------|--|
| 0101 | Paul Turner   | Seats (Total: 20) |  |
|      | F 1:00pm - 3:45pm   | SPH 0305          |  |
| PLH1 | James McDevitt  | Seats (Total: 35) |  |
|      | Contact instructor or department for details.                 |                   |  |
|      | <i>Restricted to students in MPH-PHPP or GC-PPH programs.</i> |                   |  |

## MIEH605

### Fundamentals of Global Health

Credits: 3      Grading Method: Regular,  
Audit

*Credit only granted for: SPHL600 or SPHL698A. Formerly: SPHL698A.*

*Exploration of theoretical frameworks and practical perspectives in global health with particular attention to the analysis of the biological, epidemiological, social, cultural and behavioral interactions that affect global health study and project implementation. The emphasis is on innovative solutions to health issues in underserved populations.*

|      |  |                   |  |
|------|--|-------------------|--|
| 0101 | Steven Ault, Muhiuddin Haider  | Seats (Total: 10) |  |
|      | W 5:00pm - 7:00pm  | CCC 1105          |  |
|      | Class time/details on ELMs   | ONLINE            |  |
|      | <i>Every other lecture will be delivered in-person at the University of Maryland, College Park campus.</i> |                   |  |

|      |                               |                   |
|------|-------------------------------|-------------------|
| GH01 | Steven Ault, Muhiuddin Haider | Seats (Total: 10) |
|      | W 5:00pm - 7:00pm             | CCC 1105          |
|      | Class time/details on ELMs    | ONLINE            |

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**MIEH606      Addressing Current, Pressing Global and Environmental Public Health Challenges in Bangladesh**

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Senior undergraduates may enroll with instructor's permission.*

*This course focuses on how to operationalize public health field research/practice on the ground in Bangladesh. The public health threat that will be addressed is solid waste management in Dhaka. With a landmass equivalent to the State of Wisconsin and the world's eighth largest population, Bangladesh is the most densely populated country on the globe. This course will give students the opportunity to collaborate virtually with students in Bangladesh.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Muhiuddin Haider           | Seats (Total: 10) |
|      | F 8:30am - 10:30am         | SPH 2234CC        |
|      | Class time/details on ELMs | ONLINE            |

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**MIEH688      Seminar in the Maryland Institute for Applied Environmental Health: Current Topics in Environmental Health**

Credits: 1      Grading Method: Sat-Fail

*Invited and in-house research presentations from guest scientists, faculty members, and students, and critical analysis of journal articles on current topics in environmental and occupational health.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Donald Milton                                 | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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**MIEH735      Food Toxicology**

Credits: 3      Grading Method: Regular,  
Audit

*Recommended: BSCI440, CHEM131, or BCHM462. Also offered as: NFSC735. Credit only granted for: MIEH735 or NFSC735.*

*An introduction to basic concepts in toxicology in relation to toxic food contaminants and additives; both synthetic and naturally occurring. Focus on exposure routes, molecular targets and susceptible individuals. Also includes regulatory toxicology with respect food toxins.*

|      |                              |                   |
|------|------------------------------|-------------------|
| 0101 | Robert Buchanan, Paul Turner | Seats (Total: 20) |
|      | W 1:00pm - 3:45pm            | TYD 2108          |

## **MIEH740 Environmental Health Risk Assessment**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: MIEH600.*

*Review of the major methods of human and ecological risk assessment conducted by the U.S. Environment Protection Agency. Emphasis on sources of uncertainty.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Abdel-Razak Kadry | Seats (Total: 15) |
|      | M 4:00pm - 6:45pm | PLS 1168          |

## **MIEH760 Spatial Epidemiology**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Must have completed an Introduction biostatistics course. Recommended: Completion of a graduate epidemiology course, or environmental health course, or geography/GIS course.*

*The purpose of this survey course is to provide students with an introduction to spatial resources and methods specific to public health, with an emphasis on epidemiology and environmental applications. Students will be introduced to spatial resources, concepts, and tools relevant to public health research and practice. They will acquire skills to interpret, evaluate, and design basic public health spatial research projects; and to conduct simple spatial analyses.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Robin Puett                | Seats (Total: 10) |
|      | W 4:00pm - 6:45pm          | SPH 2387          |
|      | Class time/details on ELMs | ONLINE            |

## **MIEH773 Foodborne, Waterborne and Airborne Infectious Diseases**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Corequisite: MIEH600.*

*In-depth study of foodborne, waterborne and airborne diseases caused by bacteria, viruses and parasites. Topics will include sources and detection of causative agents; their transmission to humans via food, water, air and other environmental media; and methods of disease prevention, including food safety approaches and drinking water treatment. Classes include lectures, discussions, field-trips and hands-on field sampling and laboratory activities.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Amy Sapkota        | Seats (Total: 15) |
|      | W 9:00am - 11:45am | EGR 3111          |

## **MIEH780 Occupational Health**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: MIEH720, MIEH771, EPIB610, and EPIB650.*

*A synthesis of epidemiology, toxicology, exposure science, risk assessment, and policy. Emphasis will be on methods for anticipating, recognizing, evaluating and controlling workplace hazards; the hierarchy of controls; and current hot topics in occupational health.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Lesliam Quiros Alcala | Seats (Total: 15) |
|      | Tu 4:00pm - 6:45pm    | SPH 2234CC        |

## **MIEH785 Internship in Public Health**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health.*

*Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.*

|      |   |                  |
|------|---|------------------|
| 0201 | Robin Puett                                   | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

## **MIEH786 Capstone Project in Public Health**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health.*

*Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.*

|      |   |                  |
|------|---|------------------|
| 0201 | Paul Turner                                   | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0202 | Amir Sapkota                                  | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

|      |   |                  |
|------|---|------------------|
| 0203 | Amy Sapkota                                   | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0204 | Donald Milton                                 | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0205 | Robin Puett                                   | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0206 | Sacoby Wilson                                 | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0207 | Lesliam Quiros Alcala                         | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0208 | Devon Payne-Sturges                           | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0209 | Stephen Roth                                  | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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**MIEH788**
**Critical Readings in Environmental Health**

Credits: 1-3      Grading Method: Regular,  
Audit

*In-depth examination and critical discussion of the current literature relevant to environmental health.*

**Contact department for information to register for this course.**

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**MIEH789**
**Independent Study**

(Perm req)

Credits: 1-6      Grading Method: Regular,  
Audit

*Individual reading and/or research under a specific faculty member in the department.*

**Contact department for information to register for this course.**

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**MIEH799**
**Master's Thesis Research**

(Perm req)

Credits: 1-6      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**MIEH898**
**Pre-Candidacy Research**

(Perm req) Credits: 1-8 Grading Method: Regular  
**Contact department for information to register for this course.**

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**MIEH899** **Doctoral Dissertation Research**

(Perm req) Credits: 1-8 Grading Method: Regular, Sat-Fail  
**Contact department for information to register for this course.**

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**MITH** **Maryland Institute for Technology in the Humanities** **Fall 2017**

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**MITH388** **Digital Humanities Internship**

(Perm req) Credits: 1-3 Grading Method: Regular, Pass-Fail

*An applied introduction to the theory and practice of digital research. The internship includes regular meetings with MITH staff, including designers, developers, information professionals, project managers, and faculty, to gain knowledge of existing digital scholarship and resources within the arts and humanities. Students may contribute to existing MITH projects or propose a small, independent research project on which they will receive support from MITH staff.*

|   |                 |                  |
|---|-----------------|------------------|
| 0101  | Purdom Lindblad | Seats (Total: 4) |
| Contact instructor or department for details. |                 |                  |

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**MITH729** **Colloquium in Digital Studies**

(Perm req) Credits: 1 Grading Method: Sat-Fail

*Colloquium in support of the ARHU-MITH Graduate Certificate in Digital Studies. We will meet periodically (approximately 4-5 times a semester) to read and discuss current work in the field, interact with visiting speakers, share work in progress, learn new tools and methods, and hear research presentations from one another.*

Class meets in TWS 3136 on the following dates: 9/8, 10/6, 11/3, 12/8.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Matthew Kirschenbaum | Seats (Total: 20) |
|      | F 3:00pm - 5:00pm    | Location: TBA     |

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**MLAW** **MPower Undergraduate Law Programs** **Fall 2017**

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**MLAW100** **Justice and the Law**

Credits: 3 Grading Method: Regular

*Restriction: Course enrollment is restricted to students in the College Park Scholars Justice and Legal Thought Program (CPJT).*

*An exploration into the relationship between justice and law, including psychological, philosophical, political and legal approaches to justice, as well as an analytical framework for understanding human rights.*

Restricted to College Park Scholars students in the Justice & Legal Thought Program.

|      |                        |                   |            |
|------|------------------------|-------------------|------------|
| 0101 | Karol Soltan           | Seats (Total: 25) |            |
|      | TuTh 11:00am - 11:50am | CCC 1205          |            |
|      | F 9:00am - 9:50am      | CCC 1200          | Discussion |
| 0102 | Karol Soltan           | Seats (Total: 25) |            |
|      | TuTh 11:00am - 11:50am | CCC 1205          |            |
|      | F 10:00am - 10:50am    | CCC 1200          | Discussion |
| 0103 | Karol Soltan           | Seats (Total: 25) |            |
|      | TuTh 11:00am - 11:50am | CCC 1205          |            |
|      | F 11:00am - 11:50am    | CCC 1200          | Discussion |

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## MLAW304

### Introduction to Law and Social Inquiry

Credits: 3

Grading Method: Regular

General Education: DSSP

*Restriction: Must be in the Law and Society (MLAW) minor.*

*An exploration of the relationship between law and society from an interdisciplinary perspective. Major themes cover the impact of law on society, society on law and social change.*

|      |                       |                   |  |
|------|-----------------------|-------------------|--|
| 0101 | Robert Koulish        | Seats (Total: 79) |  |
|      | TuTh 9:30am - 10:45am | TYD 2109          |  |

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## MLAW358E

### Selected Topics in Law and Society; Environmental Law

Credits: 3

Grading Method: Regular

*An interdisciplinary exploration of topics in law and society. Major scholarly interpretations of specific substantive fields of law.*

An in depth analysis of special topics in environmental law through a societal lens that includes an examination of domestic and international law, policy, and politics.

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 0101 | Robert Percival    | Seats (Total: 25) |  |
|      | MW 2:00pm - 3:15pm | JMZ 0205          |  |



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**MLAW358F      Selected Topics in Law and Society; First Amendment: Free Speech, Religion and the Constitution**

Credits: 3                      Grading Method: Regular

*An interdisciplinary exploration of topics in law and society. Major scholarly interpretations of specific substantive fields of law.*

An exploration into the general principles of the First Amendment with specific emphasis on the speech and religion clauses.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Michael Spivey       | Seats (Total: 30) |
|      | MW 11:00am - 12:15pm | BPS 1236          |

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**MLAW358P      Selected Topics in Law and Society; Law and Policy of Inner City/Urban Policing**

Credits: 3                      Grading Method: Regular

*An interdisciplinary exploration of topics in law and society. Major scholarly interpretations of specific substantive fields of law.*

Focuses on the important legal impact of policing through pattern and practice caseload utilizing the Fourth Amendment and other legal resources. Specific emphasis on statutory civil rights.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Michael Greenberger | Seats (Total: 40) |
|      | W 5:00pm - 7:30pm   | TWS 1310          |

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**MLAW377      The Legal Profession**

Credits: 3                      Grading Method: Regular

*Restriction: Must be in the Law and Society Minor.*

*Designed to introduce students to a variety of legal fields. The course is designed to combine social science literature about the legal profession with real world experiences with lawyers and legal workers. It will address questions about law as a profession, field of advocacy and as a business.*

|      |                             |                   |
|------|-----------------------------|-------------------|
| 0101 | Brandee Pettus, Monya Bunch | Seats (Total: 48) |
|      | M 4:00pm - 6:30pm           | ITV 1111          |

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**MLAW388      Law and Society Internship**

Credits: 1-4                      Grading Method: Regular

*Participation in the Law and Society Internship (LASI) offers students the opportunity to enhance their education through practical skill building in the realm of law-related professionals.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Brandee Pettus             | Seats (Total: 40) |
|      | Class time/details on ELMs | ONLINE            |

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## MLSC MD Language Science Ctr Fall 2017

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### MLSC308 PULSAR Language Science Research Seminar

(Perm req)

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit

*Research seminar for students in the PULSAR language science program. Weekly presentations and discussions on diverse topics in language science research, as well as on developing research skills.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Tess Wood          | Seats (Total: 25) |
|      | Th 3:45pm - 4:45pm | HJP 2124          |

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## MOCB Molecular and Cell Biology Fall 2017

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### MOCB608 Molecular and Cell Biology Seminar

(Perm req)

Credits: 1

Grading Method: Regular

*Seminar in molecular and cell biology.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Jonathan Dinman                               | Seats (Total: 12) |
|      | Contact instructor or department for details. |                   |

### MOCB699 Laboratory Rotation

(Perm req)

Credits: 2-3

Grading Method: Sat-Fail

*Laboratory experience in molecular-cell biology.*

**Contact department for information to register for this course.**

### MOCB898 Pre-Candidacy Research

Credits: 1-8

Grading Method: Sat-Fail

**Contact department for information to register for this course.**

### MOCB899 Doctoral Dissertation Research

(Perm req)

Credits: 6

Grading Method: Sat-Fail

**Contact department for information to register for this course.**

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**MUED155 Fundamentals for the Classroom Teacher**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in one of the following programs (Early Childhood Education; Elementary Education) ; or must be a Pre-Elementary Education major; or must be a Pre-Early Childhood Education major.*

*The fundamentals of music theory and practice, related to the needs of the classroom and the kindergarten teacher.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Michael Ruybalid   | Seats (Total: 25) |
|      | MW 4:15pm - 5:30pm | PAC 3160          |

**MUED186 Pre-professional Experiences I**

(Perm req)                      Grading Method: Regular,  
Credits: 2                      Pass-Fail, Audit

*Restriction: Must be in Music Education program. Additional information: Fulfills the College of Arts and Humanities requirement for ARHU158.*

*An orientation into the role of the music teacher in the school and community. On-site school visits at elementary, middle and high school levels form the basis for discussion and exploration of all facets of the music education profession.*

|      |                      |                    |
|------|----------------------|--------------------|
| 0101 | Michael Ruybalid     | Seats (Total: 30)  |
|      | MW 10:00am - 10:50am | PAC 2130A          |
|      | W 9:00am - 9:50am    | PAC 2130A      Lab |

**MUED214 String Technique and Pedagogy II**

(Perm req)                      Grading Method: Regular,  
Credits: 2                      Pass-Fail, Audit

*Restriction: Must be a major in Music Education-instrumental option.*

*A study in violin, viola, cello and bass technique and pedagogy; intermediate to advanced level. Emphasizes group process playing and teaching, chamber music and individual technique development.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Gene Pohl             | Seats (Total: 25) |
|      | MWF 10:00am - 10:50am | PAC 2540          |

**MUED215****Woodwind Technique and Pedagogy**

(Perm req)

Credits: 2                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of ARHU-School of Music department.*

*Playing experience on instruments of the woodwind family. Historical and acoustical background. Basic concepts of teaching. Methods and materials. Techniques of individual and class instruction.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Stephanie Prichard                            | Seats (Total: 15) |
|      | TuTh 2:00pm - 3:15pm                          | PAC 2540          |
| 0201 | Stephanie Prichard                            | Seats (Total: 5)  |
|      | Contact instructor or department for details. |                   |

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**MUED320****Teaching Secondary Instrumental Music I**

(Perm req)

Credits: 2                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MUED187. Restriction: Must be in Music Education program.*

*Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to extend secondary-level musical skill through planned instruction and development of teaching materials.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Stephanie Prichard    | Seats (Total: 12) |
|      | TuTh 9:30am - 10:45am | PAC 1230          |

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**MUED420****Teaching Secondary Instrumental Music II**

(Perm req)

Credits: 2                      Grading Method: Regular,                      General Education: DSSP  
Pass-Fail, Audit

*Prerequisite: MUED320 and MUED311. Corequisite: MUED489. Restriction: Must be in Music Education program.*

*Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to develop and/or maintain an exemplary, curricular-oriented, research-based, comprehensive secondary instrumental program.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Michael Hewitt      | Seats (Total: 20) |
|      | Tu 9:20am - 11:00am | PAC 2540          |

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**MUED471****Teaching General Music**

(Perm req)

Credits: 2

Grading Method: Regular

*Prerequisite: MUED222 and MUED333. Corequisite: MUED489. Restriction: Must be in Music Education program.*

*An examination of children's musical development via model teaching experiences. Students in this course will be involved in learning appropriate techniques and materials used to plan, deliver, and assess musical instruction effectively in general music settings for K-12 students. The focus is on how to implement a sequential, balanced, and comprehensive music curriculum (i.e., artistic processes: creating, performing, and responding) that emphasizes opportunities for students to construct their own learning.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Michael Ruybalid      | Seats (Total: 15) |
|      | TuTh 9:30am - 10:45am | PAC 2130A         |

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#### **MUED474**

##### **Field Experiences: Pre-Student Teaching**

(Perm req)

Credits: 1

Grading Method: Regular

*Prerequisite: MUED420 and MUED411; or (MUED472 and MUED471). Restriction: Permission of ARHU-School of Music department; and senior standing.*

*Field experiences to fulfill teaching requirements in K-12 music teacher education program.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Michael Hewitt                                | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |

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#### **MUED484**

##### **Student Teaching in Elementary School: Music**

(Perm req)

Credits: 6

Grading Method: Sat-Fail

*Corequisite: MUED494. Restriction: Permission of ARHU-School of Music department; and must be in Music Education program.*

*Fulfills elementary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Stephanie Prichard                            | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |

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#### **MUED489G**

##### **Field Experiences; Field Experiences-General**

(Perm req)

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit

*Series of field experiences in K-12 settings.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Michael Ruybalid       | Seats (Total: 10) |
|      | TuTh 11:00am - 12:15pm | PAC 2130A         |

### **MUED489I Field Experiences; Field Experiences-Instrumental**

(Perm req)

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Series of field experiences in K-12 settings.*

|      |                     |                        |
|------|---------------------|------------------------|
| 0101 | Michael Hewitt      | Seats (Total: 20)      |
|      | Th 8:00am - 11:30am | Location: TBA      Lab |

### **MUED494 Student Teaching in Secondary School: Music**

(Perm req)

Credits: 6      Grading Method: Sat-Fail

*Corequisite: MUED484. Restriction: Permission of ARHU-School of Music department; and must be in Music Education program.*

*Fulfill secondary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied.*

Students must pay a \$750.00 student teaching fee.

|      |   |                   |
|------|---|-------------------|
| 0101 | Instructor: TBA                               | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |

### **MUED692 Foundations and Perspectives of Music Education**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Permission of ARHU-School of Music department.*

*An introduction to historical, sociological, and philosophical perspectives of music education.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Michael Hewitt    | Seats (Total: 15) |
|      | M 5:00pm - 7:30pm | PAC 2130A         |

## **MUSC School of Music**

**Fall 2017**

### **MUSC001 MUSP Course Evaluation**

(Perm req)

Credits: 0      Grading Method:

Contact department for information to register for this course.

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**MUSC099**      **Performance Attendance**

(Perm req)

Credits: 0              Grading Method: Sat-Fail

*Performance attendance laboratory for undergraduate music majors.*

|   |             |                    |
|---|-------------|--------------------|
| 0101  | Luke Spence | Seats (Total: 150) |
| Contact instructor or department for details. |             |                    |

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**MUSC102**      **Class Piano**

(Perm req)

Credits: 2              Grading Method: Regular,  
Pass-Fail, Audit

*Functional piano training for beginners. Development of techniques for school and community playing. Basic piano techniques; chord, arpeggio and scale techniques; melody and song playing; simple accompaniments, improvisation for accompaniments and rhythms; sight reading and transposition and playing by ear.*

For MUSC majors only.

|   |                       |                   |
|---|-----------------------|-------------------|
| 0101  | Rodion Efremov        | Seats (Total: 14) |
|   | TuTh 2:00pm - 3:15pm  | PAC 1123          |
| 0201  | Jungyeon Yim          | Seats (Total: 14) |
|   | MWF 11:00am - 11:50am | PAC 1123          |
| 0301  | Katherine Vest        | Seats (Total: 14) |
|   | MWF 1:00pm - 1:50pm   | PAC 1123          |
| FC01  | Yao Lin               | Seats (Total: 14) |
|   | TuTh 3:15pm - 4:30pm  | PAC 1123          |
| <i>Restricted to students in Freshman Connection.</i> |                       |                   |

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**MUSC102B**      **Class Piano**

Credits: 2              Grading Method: Regular,  
Pass-Fail, Audit

*Functional piano training for beginners. Development of techniques for school and community playing. Basic piano techniques; chord, arpeggio and scale techniques; melody and song playing; simple accompaniments, improvisation for accompaniments and rhythms; sight reading and transposition and playing by ear.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Katherine Vest         | Seats (Total: 14) |
|      | TuTh 11:00am - 12:15pm | PAC 1123          |

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**MUSC106      Beginning Classical Guitar**

Credits: 2                      Grading Method: Regular,  
Pass-Fail, Audit

*Introduction to classical guitar notation, technique, literature and performance. No previous musical experience required.*

For students with no previous musical experience.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Gerard Kunkel        | Seats (Total: 12) |
|      | MW 11:00am - 11:50am | PAC 1230          |

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**MUSC123      Movement for Singers**

(Perm req)

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Permission of ARHU-School of Music department.*

*Systematic exercises, improvisations and dances in conjunction with artistic vocal expression. Performance and critique of stage deportment, gestures and recital techniques.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Carmen Balthrop    | Seats (Total: 15) |
|      | Tu 6:15pm - 7:45pm | TWS 1121          |

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**MUSC127      Vocal Diction: Italian**

(Perm req)

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Permission of ARHU-School of Music department. Restriction: Must be in a major within the ARHU-School of Music department.*

*Augmentation of private voice study. Phonetics and diction for singers of Italian vocal literature.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Diba Alvi            | Seats (Total: 15) |
|      | TuTh 2:00pm - 2:50pm | PAC 3164          |

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**MUSC128      Sight Reading For Pianists**

(Perm req)

Credits: 2                      Grading Method: Regular,  
Pass-Fail, Audit



*A course to give the piano major an opportunity to develop proficiency in sight reading at the keyboard.*

|      |                      |                  |
|------|----------------------|------------------|
| 0101 | Rodion Efremov       | Seats (Total: 5) |
|      | MW 10:00am - 10:50am | PAC 1123         |

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## **MUSC129 Ensemble**

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

|      |   |                  |
|------|---|------------------|
| FC01 | David Salness   | Seats (Total: 1) |
|      | Contact instructor or department for details.         |                  |
|      | <i>Restricted to Freshman Connection.</i>             |                  |
| FC02 | Lee Hinkle  | Seats (Total: 1) |
|      | Contact instructor or department for details.         |                  |
|      | <i>Restricted to students in Freshmen Connection.</i> |                  |

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## **MUSC129A Ensemble; Chamber Music - Strings**

(Perm req)      Credits: 1      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

For MUSC majors only.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | David Salness          | Seats (Total: 45) |
|      | TuTh 11:00am - 12:15pm | PAC 2201      Lab |

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## **MUSC129B Ensemble; Chamber Woodwinds**

(Perm req)      Credits: 1      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

For MUSC majors only.

|      |                        |                   |     |
|------|------------------------|-------------------|-----|
| 0101 | Mark Hill              | Seats (Total: 40) |     |
|      | TuTh 11:00am - 12:15pm | PAC 2201          | Lab |

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**MUSC129C Ensemble; Chamber Music - Brasses**

(Perm req)

Credits: 1      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

For MUSC majors only.

|      |                        |                   |     |
|------|------------------------|-------------------|-----|
| 0101 | Gregory Miller         | Seats (Total: 30) |     |
|      | TuTh 11:00am - 12:15pm | PAC 2201          | Lab |

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**MUSC129G Ensemble; Balinese Gamelan**

Credits: 1      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

|      |                    |                   |     |
|------|--------------------|-------------------|-----|
| 0101 | I Suadin           | Seats (Total: 20) |     |
|      | Th 7:00pm - 8:30pm | PAC 1230          | Lab |

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**MUSC129K Ensemble; Japanese Koto**

Credits: 1      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

|      |                    |                   |     |
|------|--------------------|-------------------|-----|
| 0101 | Kyoko Okamoto      | Seats (Total: 10) |     |
|      | Tu 5:30pm - 7:00pm | PAC 3160          | Lab |

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**MUSC129L Ensemble; Advanced Japanese Koto**

(Perm req)

Credits: 1      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

|      |                    |                  |     |
|------|--------------------|------------------|-----|
| 0101 | Kyoko Okamoto      | Seats (Total: 4) |     |
|      | Tu 7:00pm - 8:30pm | PAC 3160         | Lab |

## MUSC129P

### Ensemble; Percussion

(Perm req)

Credits: 1      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

|      |                   |                   |     |
|------|-------------------|-------------------|-----|
| 0101 | Lee Hinkle        | Seats (Total: 15) |     |
|      | M 5:00pm - 7:30pm | PAC 2540          | Lab |
|      | W 5:15pm - 7:15pm | PAC 2540          | Lab |

## MUSC129Q

### Ensemble; Korean Percussion Ensemble

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 0101 | Sebastian Wang     | Seats (Total: 17) |  |
|      | Th 7:00pm - 8:30pm | PAC 2170          |  |

## MUSC130

### Survey of Music Literature

Credits: 3      Grading Method: Regular, Audit      CORE: HA      General Education: DSHU

*Restriction: Must not be in any of the following programs (Music (Professional Program); Music Education).*

*A study of the principles upon which music is based, and an introduction to the musical repertory performed in America today.*

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | William Robin        | Seats (Total: 13) |            |
|      | MW 12:00pm - 12:50pm | TYD 0117          |            |
|      | F 9:00am - 9:50am    | PAC 3168          | Discussion |

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0102 | William Robin        | Seats (Total: 15) |            |
|      | MW 12:00pm - 12:50pm | TYD 0117          |            |
|      | F 10:00am - 10:50am  | PAC 3168          | Discussion |
| 0103 | William Robin        | Seats (Total: 15) |            |
|      | MW 12:00pm - 12:50pm | TYD 0117          |            |
|      | F 11:00am - 11:50am  | PAC 3160          | Discussion |
| 0104 | William Robin        | Seats (Total: 15) |            |
|      | MW 12:00pm - 12:50pm | TYD 0117          |            |
|      | F 9:00am - 9:50am    | PAC 3168          | Discussion |
| 0105 | William Robin        | Seats (Total: 15) |            |
|      | MW 12:00pm - 12:50pm | TYD 0117          |            |
|      | F 10:00am - 10:50am  | PAC 3160          | Discussion |

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**MUSC130H      Survey of Music Literature**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: HA                      General Education: DSHU

*Restriction: Must not be in any of the following programs (Music (Professional Program); Music Education).*

*A study of the principles upon which music is based, and an introduction to the musical repertory performed in America today.*

For general honors students only.

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0109 | William Robin        | Seats (Total: 10) |            |
|      | MW 12:00pm - 12:50pm | TYD 0117          |            |
|      | F 11:00am - 11:50am  | PAC 3160          | Discussion |

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**MUSC130S      Survey of Music Literature**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: HA                      General Education: DSHU

*Restriction: Must not be in any of the following programs (Music (Professional Program); Music Education).*

*A study of the principles upon which music is based, and an introduction to the musical repertory performed in America today.*

Restricted to College Park Scholars - Arts.

|      |                      |                  |            |  |
|------|----------------------|------------------|------------|--|
| 0101 | William Robin        | Seats (Total: 7) |            |  |
|      | MW 12:00pm - 12:50pm | TYD 0117         |            |  |
|      | F 9:00am - 9:50am    | PAC 3168         | Discussion |  |

## MUSC140

### Music Fundamentals I

Credits: 3      Grading Method: Regular, Audit      CORE: HA      General Education: DSSP

*Restriction: Must not be in any of the following programs (Music (Professional Program); Music Education).*

*Introductory theory course. Notation, scales, intervals, triads, rhythm, form and basic aural skills.*

|   |                      |                   |            |  |
|---|----------------------|-------------------|------------|--|
| 0101  | Dominic Ellis        | Seats (Total: 12) |            |  |
|   | MW 11:00am - 11:50am | PAC 2168          |            |  |
|   | F 10:00am - 10:50am  | PAC 1108          | Discussion |  |
| 0102  | Dominic Ellis        | Seats (Total: 13) |            |  |
|   | MW 11:00am - 11:50am | PAC 2168          |            |  |
|   | F 11:00am - 11:50am  | PAC 1108          | Discussion |  |
| 0201  | Dominic Ellis        | Seats (Total: 12) |            |  |
|   | MW 12:00pm - 12:50pm | PAC 2168          |            |  |
|   | F 12:00pm - 12:50pm  | PAC 1108          | Discussion |  |
| 0202  | Dominic Ellis        | Seats (Total: 13) |            |  |
|   | MW 12:00pm - 12:50pm | PAC 2168          |            |  |
|   | F 1:00pm - 1:50pm    | PAC 1108          | Discussion |  |
| FC01  | Jared Kenlon         | Seats (Total: 20) |            |  |
|   | Tu 3:00pm - 4:15pm   | PAC 3160          |            |  |
|   | Th 3:00pm - 4:15pm   | PAC 1108          | Lab        |  |
| <i>Restricted to students in Freshmen Connection.</i> |                      |                   |            |  |

## MUSC150

### Theory of Music I

(Perm req)

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: Departmental audition and entrance examination. Restriction: Must be in one of the following programs (Music (Liberal Arts Program); Music (Jazz Performance Option); Music (Winds & Percussions Performance Option); Music (Voice Performance Option); Music Composition; Music (Professional Program); Music (Piano Performance Option); Music Performance-Winds and Percussion; Music Theory and Composition; Music Performance-Piano; Music Performance-Jazz Studies; Music Performance-Voice; Music Performance-Strings; Music (Strings Performance Option)).*

*A study of basic concepts and skills in tonal melody and harmony through analysis and composition.*

|      |   |                   |     |
|------|---|-------------------|-----|
| 0101 | Richard Layton                            | Seats (Total: 6)  |     |
|      | MWF 8:00am - 8:50am                       | PAC 2160          |     |
|      | TuTh 8:25am - 9:15am                      | PAC 2160          | Lab |
| 0102 | Richard Layton                            | Seats (Total: 6)  |     |
|      | MWF 8:00am - 8:50am                       | PAC 2160          |     |
|      | TuTh 8:25am - 9:15am                      | PAC 2164          | Lab |
| 0201 | Richard Layton                            | Seats (Total: 6)  |     |
|      | MWF 9:00am - 9:50am                       | PAC 2160          |     |
|      | TuTh 8:25am - 9:15am                      | PAC 2168          | Lab |
| 0202 | Richard Layton                            | Seats (Total: 6)  |     |
|      | MWF 9:00am - 9:50am                       | PAC 2160          |     |
|      | TuTh 9:30am - 10:20am                     | PAC 2168          | Lab |
| 0301 | Quinn Dizon                               | Seats (Total: 6)  |     |
|      | MWF 10:00am - 10:50am                     | PAC 2160          |     |
|      | TuTh 9:30am - 10:20am                     | PAC 2164          | Lab |
| FC01 | Michael Oberhauser                        | Seats (Total: 16) |     |
|      | MWTh 6:00pm - 7:15pm                      | PAC 3168          |     |
|      | <i>Restricted to Freshman Connection.</i> |                   |     |

## MUSC202

### Intermediate Class Piano I

(Perm req)

Credits: 2

Grading Method: Regular

*Prerequisite: MUSC103; or must have equivalent piano training.*

*Advanced keyboard techniques. Continuation of skills introduced in MUSC103. Transposition, modulation and sight reading; methods of teaching functional piano.*

Only for voice and instrumental principals with limited piano experience.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Jungyeon Yim        | Seats (Total: 15) |
|      | MWF 9:00am - 9:50am | PAC 1123          |

## MUSC205

### History of Popular Music, 1950-Present

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HA      General Education: DSHU

*A historical survey of rock music (blues, rock, soul, metal, rap, etc.) from circa 1950 to the present, with emphasis on popular music as music and popular music as social history.*

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Richard King         | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | ARC 0204          |            |
|      | F 9:00am - 9:50am    | PAC 2164          | Discussion |
| 0102 | Richard King         | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | ARC 0204          |            |
|      | F 10:00am - 10:50am  | PAC 2164          | Discussion |
| 0103 | Richard King         | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | ARC 0204          |            |
|      | F 11:00am - 11:50am  | PAC 2164          | Discussion |
| 0104 | Richard King         | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | ARC 0204          |            |
|      | F 9:00am - 9:50am    | PAC 2168          | Discussion |
| 0105 | Richard King         | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | ARC 0204          |            |
|      | F 10:00am - 10:50am  | PAC 2168          | Discussion |
| 0106 | Richard King         | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | ARC 0204          |            |
|      | F 11:00am - 11:50am  | PAC 2168          | Discussion |
| 0107 | Richard King         | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | ARC 0204          |            |
|      | F 11:00am - 11:50am  | PAC 2200          | Discussion |
| 0108 | Richard King         | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | ARC 0204          |            |
|      | F 12:00pm - 12:50pm  | PAC 2200          | Discussion |

|      |  |   |            |
|------|--|---|------------|
| 0109 | Richard King<br>MW 11:00am - 11:50am<br>F 1:00pm - 1:50pm  | Seats (Total: 20)<br>ARC 0204<br>PAC 2200 | Discussion |
| 0110 | Richard King<br>MW 11:00am - 11:50am<br>F 9:00am - 9:50am  | Seats (Total: 20)<br>ARC 0204<br>PAC 3164 | Discussion |
| 0111 | Richard King<br>MW 11:00am - 11:50am<br>F 10:00am - 10:50am  | Seats (Total: 20)<br>ARC 0204<br>PAC 3164 | Discussion |
| 0112 | Richard King<br>MW 11:00am - 11:50am<br>F 11:00am - 11:50am  | Seats (Total: 20)<br>ARC 0204<br>PAC 3164 | Discussion |
| FC01 | Nicole Powlison<br>MW 4:30pm - 5:45pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 35)<br>PLS 1119             |            |

## MUSC210

### The Impact of Music on Life

Credits: 3

Grading Method: Regular

CORE: HA, D

General Education: DSHU,  
DVUP

*Credit only granted for: MUET210 or MUSC210. Formerly: MUET210.*

*Music as a part of culture. Materials drawn from traditions throughout the globe to illustrate issues of historical and contemporary significance, including the impact of race, class and gender on the study of music.*

|      |  |   |            |
|------|--|---|------------|
| 0101 | Fernando Rios<br>MW 1:00pm - 1:50pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>ARC 0204<br>PAC 1809 | Discussion |
| 0102 | Fernando Rios<br>MW 1:00pm - 1:50pm<br>F 11:00am - 11:50am | Seats (Total: 20)<br>ARC 0204<br>PAC 1809 | Discussion |
| 0103 | Fernando Rios<br>MW 1:00pm - 1:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 20)<br>ARC 0204<br>PAC 1809 | Discussion |



|      |  |   |            |
|------|--|---|------------|
| 0104 | Fernando Rios<br>MW 1:00pm - 1:50pm<br>F 1:00pm - 1:50pm   | Seats (Total: 20)<br>ARC 0204<br>PAC 1815 | Discussion |
| 0105 | Fernando Rios<br>MW 1:00pm - 1:50pm<br>F 2:00pm - 2:50pm   | Seats (Total: 20)<br>ARC 0204<br>PAC 1815 | Discussion |
| 0106 | Fernando Rios<br>MW 1:00pm - 1:50pm<br>F 3:00pm - 3:50pm   | Seats (Total: 20)<br>ARC 0204<br>PAC 1815 | Discussion |
| 0107 | Fernando Rios<br>MW 1:00pm - 1:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 20)<br>ARC 0204<br>PAC 2168 | Discussion |
| 0108 | Fernando Rios<br>MW 1:00pm - 1:50pm<br>F 1:00pm - 1:50pm   | Seats (Total: 20)<br>ARC 0204<br>PAC 2168 | Discussion |
| 0109 | Fernando Rios<br>MW 1:00pm - 1:50pm<br>F 2:00pm - 2:50pm   | Seats (Total: 20)<br>ARC 0204<br>PAC 2168 | Discussion |
| 0110 | Fernando Rios<br>MW 1:00pm - 1:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 20)<br>ARC 0204<br>PAC 3168 | Discussion |
| 0111 | Fernando Rios<br>MW 1:00pm - 1:50pm<br>F 1:00pm - 1:50pm   | Seats (Total: 20)<br>ARC 0204<br>PAC 3168 | Discussion |
| 0112 | Fernando Rios<br>MW 1:00pm - 1:50pm<br>F 2:00pm - 2:50pm   | Seats (Total: 20)<br>ARC 0204<br>PAC 3168 | Discussion |

## MUSC215

### World Popular Musics and Identity

Credits: 3

Grading Method: Regular,  
Audit

CORE: HA, D

General Education: DSHU,  
DVUP

*Credit only granted for: MUET200 or MUSC215. Formerly: MUET200.*

*Focus on popular musics in different cultures with an emphasis on cross-cultural comparisons and analysis of how musics and identity intersect.*

|      |  |   |            |
|------|--|---|------------|
| 0101 | Laura Schnitker<br>MW 12:00pm - 12:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 20)<br>SKN 0200<br>EDU 2101 | Discussion |
| 0102 | Laura Schnitker<br>MW 12:00pm - 12:50pm<br>F 1:00pm - 1:50pm   | Seats (Total: 20)<br>SKN 0200<br>EDU 2101 | Discussion |
| 0103 | Laura Schnitker<br>MW 12:00pm - 12:50pm<br>F 2:00pm - 2:50pm   | Seats (Total: 20)<br>SKN 0200<br>EDU 2101 | Discussion |
| 0104 | Laura Schnitker<br>MW 12:00pm - 12:50pm<br>F 1:00pm - 1:50pm   | Seats (Total: 20)<br>SKN 0200<br>KNI 1103 | Discussion |
| 0105 | Laura Schnitker<br>MW 12:00pm - 12:50pm<br>F 2:00pm - 2:50pm   | Seats (Total: 20)<br>SKN 0200<br>KNI 1103 | Discussion |
| 0106 | Laura Schnitker<br>MW 12:00pm - 12:50pm<br>F 3:00pm - 3:50pm   | Seats (Total: 20)<br>SKN 0200<br>KNI 1103 | Discussion |
| 0107 | Laura Schnitker<br>MW 12:00pm - 12:50pm<br>F 11:00am - 11:50am | Seats (Total: 20)<br>SKN 0200<br>BPS 1236 | Discussion |
| 0108 | Laura Schnitker<br>MW 12:00pm - 12:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 20)<br>SKN 0200<br>BPS 1236 | Discussion |
| 0109 | Laura Schnitker<br>MW 12:00pm - 12:50pm<br>F 1:00pm - 1:50pm   | Seats (Total: 20)<br>SKN 0200<br>BPS 1236 | Discussion |

Credits: 3

Grading Method: Regular

CORE: HA, D

General Education: DSHU,  
DVUP*Credit only granted for: MUET220 or MUSC220. Formerly: MUET220.**A survey of selected musical cultures of the world, such as India, Japan, China, Indonesia, West Africa, Eastern Europe and the Near East.*

|      |                     |                   |            |
|------|---------------------|-------------------|------------|
| 0101 | Siv Lie             | Seats (Total: 20) |            |
|      | MW 1:00pm - 1:50pm  | JMZ 0220          |            |
|      | F 12:00pm - 12:50pm | PAC 3164          | Discussion |
| 0102 | Siv Lie             | Seats (Total: 20) |            |
|      | MW 1:00pm - 1:50pm  | JMZ 0220          |            |
|      | F 1:00pm - 1:50pm   | PAC 3164          | Discussion |
| 0103 | Siv Lie             | Seats (Total: 20) |            |
|      | MW 1:00pm - 1:50pm  | JMZ 0220          |            |
|      | F 2:00pm - 2:50pm   | PAC 3164          | Discussion |
| 0104 | Siv Lie             | Seats (Total: 20) |            |
|      | MW 1:00pm - 1:50pm  | JMZ 0220          |            |
|      | F 12:00pm - 12:50pm | PAC 2164          | Discussion |
| 0105 | Siv Lie             | Seats (Total: 20) |            |
|      | MW 1:00pm - 1:50pm  | JMZ 0220          |            |
|      | F 1:00pm - 1:50pm   | PAC 2164          | Discussion |
| 0106 | Siv Lie             | Seats (Total: 20) |            |
|      | MW 1:00pm - 1:50pm  | JMZ 0220          |            |
|      | F 2:00pm - 2:50pm   | PAC 2164          | Discussion |

**MUSC227**

(Perm req)

**Vocal Diction: German**

Credits: 1

Grading Method: Regular

*Prerequisite: Permission of ARHU-School of Music department. Restriction: Must be in a major within ARHU-School of Music department.**Augmentation of private study. Phonetics and diction for singers of German vocal literature.*

|      |                        |                   |  |
|------|------------------------|-------------------|--|
| 0101 | Diba Alvi              | Seats (Total: 15) |  |
|      | TuTh 11:00am - 11:50am | PAC 3164          |  |

**MUSC229A Ensemble; Orchestra**

(Perm req)

Credits: 1      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

Audition required before permission of department will be granted, contact instructor to make arrangements.

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | Jose-Luis Novo       | Seats (Total: 70) |     |
|      | TuTh 3:30pm - 6:30pm | PAC 1230          | Lab |

**MUSC229D Ensemble; Wind Orchestra**

(Perm req)

Credits: 1      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

Open by audition, contact instructor to make arrangements.

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | Michael Votta        | Seats (Total: 50) |     |
|      | TuTh 3:30pm - 6:30pm | PAC 2540          | Lab |

**MUSC229E Ensemble; Wind Ensemble**

Credits: 1      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

Open by audition, contact instructor to make arrangements.

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0101 | Michael Votta         | Seats (Total: 75) |     |
|      | MWF 11:00am - 12:30pm | PAC 2540          | Lab |

**MUSC229F Ensemble; Marching Band**

Credits: 1      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

Open by audition.

|      |  |                    |     |  |
|------|--|--------------------|-----|--|
| 0101 | Elijah Osterloh, Nathaniel Reynolds, Craig | Seats (Total: 300) |     |  |
|      | Potter, Allison Satterwhite                |                    |     |  |
|      | MWF 3:00pm - 5:00pm                        | PAC 2540           | Lab |  |

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### **MUSC229G Ensemble; Marching Band Repertoire**

Credits: 1                      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

Corequisite: MUSC 229F.

|      |  |                    |     |  |
|------|--|--------------------|-----|--|
| 0101 | Nathaniel Reynolds, Craig Potter, Elijah | Seats (Total: 300) |     |  |
|      | Osterloh, Allison Satterwhite            |                    |     |  |
|      | Tu 7:00pm - 9:00pm                       | PAC 2540           | Lab |  |

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### **MUSC229I Ensemble; Marching Band Auxiliary**

Credits: 1                      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

Corequisite: MUSC 229F.

|      |  |                   |     |  |
|------|--|-------------------|-----|--|
| 0101 | Craig Potter, Elijah Osterloh, Allison | Seats (Total: 50) |     |  |
|      | Satterwhite, Nathaniel Reynolds        |                   |     |  |
|      | TuTh 6:30pm - 8:30pm                   | PAC 2540          | Lab |  |

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### **MUSC229J Ensemble; Jazz Ensemble**

(Perm req)

Credits: 1                      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

Audition required before permission of department will be granted, contact instructor to make arrangements.

|      |  |                               |     |
|------|--|-------------------------------|-----|
| 0101 | Christopher Vadala<br>MW 5:30pm - 7:15pm | Seats (Total: 25)<br>PAC 1230 | Lab |
| 0201 | Christopher Vadala<br>MW 1:00pm - 2:20pm | Seats (Total: 30)<br>PAC 1230 | Lab |
| 0301 | Christopher Vadala<br>M 7:30pm - 9:30pm  | Seats (Total: 30)<br>PAC 1230 | Lab |

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### **MUSC229P Ensemble; Pep Band**

(Perm req)

Credits: 1      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

Permission of Instructor.

|      |  |                   |  |
|------|--|-------------------|--|
| 0101 | Elijah Osterloh<br>Contact instructor or department for details. | Seats (Total: 60) |  |
|------|--|-------------------|--|

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### **MUSC229R Ensemble; Repertoire Orchestra**

(Perm req)

Credits: 1      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

Audition required before permission of department will be granted, contact instructor to make arrangements.

|      |                                  |                               |     |
|------|----------------------------------|-------------------------------|-----|
| 0101 | Tiffany Lu<br>MW 3:00pm - 5:00pm | Seats (Total: 50)<br>PAC 1230 | Lab |
|------|----------------------------------|-------------------------------|-----|

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### **MUSC229U Ensemble; University Band**

Credits: 1      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

Open by audition, contact instructor to make arrangements.

|      |                   |                    |
|------|-------------------|--------------------|
| 0101 | Craig Potter      | Seats (Total: 100) |
|      | W 7:30pm - 9:30pm | PAC 2540      Lab  |

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**MUSC229Z      Ensemble; Jazz Combo**

(Perm req)

Credits: 1      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

Audition required before permission of department will be granted, contact instructor to make arrangements.

|      |   |                   |
|------|---|-------------------|
| 0101 | Gerard Kunkel                                 | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0201 | Thomas Baldwin                                | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0301 | Nicholas Vassar                               | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0401 | Leo Rayon                                     | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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**MUSC248D      Selected Topics in Music; Rapping It Up: An Analysis of Hip Hop Music**

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Designed to allow a student of theory or music history to pursue a specialized topic or project under the supervision of a faculty member.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Richard King        | Seats (Total: 12) |
|      | Th 12:30pm - 1:45pm | PAC 3160          |

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**MUSC250      Advanced Theory of Music I**

(Perm req)

Credits: 4      Grading Method: Regular,  
Audit

*Prerequisite: Minimum grade of C- in MUSC151.*

*A continuation of MUSC 151, with further study of chromatic and modulatory techniques of the nineteenth century. Emphasis on sight singing, ear training, analysis and compositional skills.*

|      |                       |                  |
|------|-----------------------|------------------|
| 0101 | David Froom           | Seats (Total: 6) |
|      | TuTh 8:00am - 9:15am  | PAC 3160         |
|      | MW 8:00am - 8:50am    | PAC 2164 Lab     |
| 0102 | David Froom           | Seats (Total: 6) |
|      | TuTh 8:00am - 9:15am  | PAC 3160         |
|      | MW 9:00am - 9:50am    | PAC 2164 Lab     |
| 0201 | Robert Gibson         | Seats (Total: 6) |
|      | TuTh 9:30am - 10:45am | PAC 3168         |
|      | MW 9:00am - 9:50am    | PAC 3164 Lab     |
| 0202 | Robert Gibson         | Seats (Total: 6) |
|      | TuTh 9:30am - 10:45am | PAC 3168         |
|      | MW 9:00am - 9:50am    | PAC 3168 Lab     |
| 0301 | Mark Wilson           | Seats (Total: 6) |
|      | TuTh 9:30am - 10:45am | PAC 3164         |
|      | MW 10:00am - 10:50am  | PAC 3164 Lab     |
| 0302 | Mark Wilson           | Seats (Total: 6) |
|      | TuTh 9:30am - 10:45am | PAC 3164         |
|      | MW 10:00am - 10:50am  | PAC 3168 Lab     |

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**MUSC269R Special Topics in Study Abroad II; From Elvis to Rap: 50 Years of History As Seen Through Rock Music**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**MUSC310 Music History I**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MUSC151; and permission of ARHU-School of Music department. Credit only granted for: MUSC310 or MUSC331. Formerly: MUSC331.*

*A historical study of Western music from Antiquity to 1600.*



|      |                    |                   |            |
|------|--------------------|-------------------|------------|
| 0101 | Patrick Warfield   | Seats (Total: 25) |            |
|      | MW 2:00pm - 2:50pm | PAC 2201          |            |
|      | F 1:00pm - 1:50pm  | PAC 2160          | Discussion |
| 0102 | Patrick Warfield   | Seats (Total: 25) |            |
|      | MW 2:00pm - 2:50pm | PAC 2201          |            |
|      | F 2:00pm - 2:50pm  | PAC 2160          | Discussion |
| 0103 | Patrick Warfield   | Seats (Total: 25) |            |
|      | MW 2:00pm - 2:50pm | PAC 2201          |            |
|      | F 3:00pm - 3:50pm  | PAC 2160          | Discussion |

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**MUSC328 Introduction to Chamber Music for Pianists**

(Perm req)

Credits: 2      Grading Method: Regular,  
Pass-Fail, Audit

*A course to introduce the piano major to chamber music at a moderately difficult level. Class instruction will center on actual rehearsal and coaching geared toward performance, and will be supplemented by further experience in applied instrumental studios.*

Prerequisite: MUSC128.

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 0101 | Elizabeth Brown    | Seats (Total: 10) |  |
|      | Tu 4:00pm - 6:00pm | PAC 2126          |  |

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**MUSC329A Ensemble; University of Maryland Chorale**

(Perm req)

Credits: 1      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

Audition required before permission of department will be granted, contact instructor to make arrangements. Monthly evening rehearsals will be scheduled as announced.

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | Edward Maclary       | Seats (Total: 75) |     |
|      | TuTh 4:30pm - 6:00pm | PAC 2201          | Lab |

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**MUSC329B Ensemble; Chamber Singers**

(Perm req)

Credits: 1      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

Audition required before permission of department will be granted, contact instructor to make arrangements. Monthly evening rehearsals will be scheduled as announced.

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | Edward Maclary       | Seats (Total: 50) |     |
|      | MW 3:00pm - 3:50pm   | PAC 2201          | Lab |
|      | TuTh 3:30pm - 4:20pm | PAC 2201          | Lab |

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### **MUSC329E Ensemble; Gospel Choir**

Credits: 1                      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0101 | Anne Carswell       | Seats (Total: 60) |     |
|      | Th 7:00pm - 10:00pm | PAC 2201          | Lab |

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### **MUSC329M Ensemble; Men's Chorus**

Credits: 1                      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

Monthly evening rehearsals will be scheduled as announced.

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0101 | Edward Maclary        | Seats (Total: 40) |     |
|      | MWF 12:00pm - 12:50pm | PAC 1230          | Lab |

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### **MUSC329O Ensemble; Opera Chorus**

(Perm req)

Credits: 1                      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

|      |                   |                   |     |
|------|-------------------|-------------------|-----|
| 0101 | Edward Maclary    | Seats (Total: 30) |     |
|      | F 4:00pm - 6:00pm | PAC 2170          | Lab |

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**MUSC329W Ensemble; Treble Choir**

Credits: 1                      Grading Method: Regular

*Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.*

Monthly evening rehearsals will be scheduled as announced.

|      |                       |                   |     |  |
|------|-----------------------|-------------------|-----|--|
| 0101 | Kathryn Hylton        | Seats (Total: 60) |     |  |
|      | MWF 12:00pm - 12:50pm | PAC 2201          | Lab |  |

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**MUSC330 Music History III**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MUSC320; and permission of ARHU-School of Music department.*

*A historical study of Western music from 1800 to present.*

|      |                    |                   |            |  |
|------|--------------------|-------------------|------------|--|
| 0101 | William Robin      | Seats (Total: 15) |            |  |
|      | MW 2:00pm - 2:50pm | PAC 2200          |            |  |
|      | F 1:00pm - 1:50pm  | PAC 3160          | Discussion |  |
| 0102 | William Robin      | Seats (Total: 15) |            |  |
|      | MW 2:00pm - 2:50pm | PAC 2200          |            |  |
|      | F 2:00pm - 2:50pm  | PAC 3160          | Discussion |  |
| 0103 | William Robin      | Seats (Total: 15) |            |  |
|      | MW 2:00pm - 2:50pm | PAC 2200          |            |  |
|      | F 3:00pm - 3:50pm  | PAC 3160          | Discussion |  |

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**MUSC369M Special Topics in Study Abroad III; Masterpieces of Italian Opera**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**MUSC379 Opera Workshop**

(Perm req)

Credits: 1

Grading Method: Regular,  
Pass-Fail

*Open to music and non-music majors (by audition). Operatic production and performance, performance techniques and coaching, stage direction, set design, costume design and make-up. Repertory will include smaller operatic works, excerpts or scenes.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Andrea McGray      | Seats (Total: 15) |
|      | MW 4:00pm - 6:00pm | PAC 2170      Lab |

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### MUSC386

#### Experiential Learning

(Perm req)

Credits: 6

Grading Method: Regular,  
Pass-Fail

*Prerequisite: Permission of ARHU-School of Music department. Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

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### MUSC388

#### Music Internship

(Perm req)

Credits: 3

Grading Method: Regular

*Pre-professional field work in music.*

|      |   |                  |
|------|---|------------------|
| 0201 | Eric Kutz                                     | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0301 | Edward Maclary                                | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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### MUSC389

#### Music Internship Analysis

(Perm req)

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit

*Documentation and evaluation of field work experience.*

|      |   |                  |
|------|---|------------------|
| 0101 | Lori DeBoy                                    | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0201 | Michael Hewitt                                | Seats (Total: 1) |
|      | Contact instructor or department for details. |                  |

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### MUSC400S

#### Music Pedagogy

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MUSP315; and permission of ARHU-School of Music department.*

*Conference course. A study of major pedagogical treatises in music, and an evaluation of pedagogical techniques, materials, and procedures.*

**Contact department for information to register for this course.**

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**MUSC428                      Repertoire Coaching of Vocal or Chamber Music**

(Perm req)

Credits: 2                      Grading Method: Regular

*A course for piano students who wish to go further than the work offered in MUSC128, MUSC228 and MUSC328 by becoming specialists in the areas of vocal coaching or chamber music coaching. Elements of pedagogy, conducting and responsible artistic decision-making for the entire musical production.*

|      |   |                  |
|------|---|------------------|
| 0101 | Irina Muresanu, Rita Sloan                    | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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**MUSC438M                      Area Studies in Ethnomusicology; Sounds of the Mediterranean**

Credits: 3                      Grading Method: Regular

*Advanced study of musics in selected parts of the world.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Siv Lie            | Seats (Total: 12) |
|      | Tu 3:30pm - 6:00pm | PAC 3110A         |

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**MUSC443                      Solo Vocal Literature**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MUSC330 and MUSC331; or students who have taken courses with comparable content may contact the department.*

*The study of solo vocal literature from the Baroque Cantata to the Art Song of the present. The Lied, Melodie, vocal chamber music and the orchestral song are examined.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Diba Alvi             | Seats (Total: 10) |
|      | TuTh 9:30am - 10:45am | PAC 2201          |

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**MUSC444                      Wind and Percussion Literature**

(Perm req)

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Permission of ARHU-School of Music department. Corequisite: MUSP420 or MUSP419.*

*Recital program notes and written projects in wind or percussion literature.*

**Contact department for information to register for this course.**

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**MUSC446**

**String Literature**

(Perm req)

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MUSP316; and permission of ARHU-School of Music department.*

*Recital program notes and written projects in string literature.*

**Contact department for information to register for this course.**

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**MUSC448**

**Selected Topics in Music**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**MUSC448A**

**Selected Topics in Music; Accompanying Practicum**

(Perm req)

Credits: 1

Grading Method: Regular

Prerequisite: MUSC228, MUSC328, and permission of instructor. Intended for Music Majors in Piano.

|   |              |                   |
|---|--------------|-------------------|
| 0101  | Mayron Tsong | Seats (Total: 10) |
| Contact instructor or department for details. |              |                   |

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**MUSC448E**

**Selected Topics in Music; The Entrepreneurial Musician**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

|                       |            |                   |
|-----------------------|------------|-------------------|
| 0101                  | Lee Hinkle | Seats (Total: 15) |
| TuTh 9:30am - 10:45am |            | PAC 3160          |

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**MUSC448F**

**Selected Topics in Music; Music and Film in Cross-Cultural Perspectives**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

|      |                   |                  |
|------|-------------------|------------------|
| 0101 | John Witzleben    | Seats (Total: 4) |
|      | M 3:30pm - 6:00pm | PAC 3110A        |

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**MUSC448J      Selected Topics in Music; Selected Topics in Music: Brahms**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Kenneth Slowik     | Seats (Total: 20) |
|      | Tu 7:00pm - 9:30pm | PAC 2168          |

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**MUSC448K      Selected Topics in Music; Keyboard Skills for Vocalists**

(Perm req)

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

This course is for graduate vocal majors only.

|      |   |                   |
|------|---|-------------------|
| 0101 | Rita Sloan                                    | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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**MUSC448W      Selected Topics in Music; Instrumental Pedagogy**

(Perm req)

Credits: 1      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**MUSC450      Musical Form**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MUSC251.*

*A study of the principles of organization in music with emphasis on eighteenth and nineteenth century European music. Reading and analysis of scores exemplifying the musical forms.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Daniel Zimmerman     | Seats (Total: 25) |
|      | TuTh 2:00pm - 3:15pm | PAC 2164          |

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**MUSC451      Analysis of Music**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MUSC450; or permission of instructor.*

*A course in the analysis of music. Discussion of individual works, with emphasis on their unique characteristics and on the relation of analysis to performance.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Thomas DeLio      | Seats (Total: 12) |
|      | W 5:30pm - 8:00pm | PAC 2164          |

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**MUSC453      Jazz Improvisation I**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MUSC251; or students who have taken courses with comparable content may contact the department. And permission of ARHU-School of Music department. Credit only granted for: MUSC345 or MUSC453. Formerly: MUSC345.*

*Jazz theory, notational conventions, improvisation techniques, reading and analysis of music, and performance in small combo format.*

|      |                   |                  |
|------|-------------------|------------------|
| 0101 | Nicholas Vassar   | Seats (Total: 8) |
|      | M 7:15pm - 9:50pm | PAC 1208         |

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**MUSC455      Theory of Jazz**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MUSC250; or permission of ARHU-School of Music department. Restriction: Must be in a major within ARHU-School of Music department.*

*Analysis of jazz harmony, with emphasis on principles of substitution, reharmonization, and syntax. Topics may also include chord/scale relationships, phrasing and articulation, notation, and introductory arranging concepts such as orchestration and form.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Timothy Powell       | Seats (Total: 12) |
|      | TuTh 3:30pm - 4:45pm | PAC 3168          |

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**MUSC469D      Orchestral Excerpts for String Players; Viola**

(Perm req)

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*In-depth study of the orchestral excerpts required for professional orchestra auditions.*



|   |                   |                   |
|---|-------------------|-------------------|
| 0101  | Katherine Murdock | Seats (Total: 10) |
| Contact instructor or department for details. |                   |                   |

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**MUSC469E      Orchestral Excerpts for String Players; Cello**

(Perm req)

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*In-depth study of the orchestral excerpts required for professional orchestra auditions.*

|   |           |                   |
|---|-----------|-------------------|
| 0101  | Eric Kutz | Seats (Total: 10) |
| Contact instructor or department for details. |           |                   |

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**MUSC469F      Orchestral Excerpts for String Players; Bass**

(Perm req)

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*In-depth study of the orchestral excerpts required for professional orchestra auditions.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Robert Oppelt     | Seats (Total: 15) |
|      | W 4:30pm - 5:45pm | Location: TBA     |

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**MUSC469V      Orchestral Excerpts for String Players; Harp**

(Perm req)

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*In-depth study of the orchestral excerpts required for professional orchestra auditions.*

|   |              |                   |
|---|--------------|-------------------|
| 0101  | Sarah Fuller | Seats (Total: 10) |
| Contact instructor or department for details. |              |                   |

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**MUSC490      Conducting**

(Perm req)

Credits: 2                      Grading Method: Regular

*Prerequisite: MUSC251.*

*Vocal and instrumental baton techniques.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Edward Maclary        | Seats (Total: 13) |
|      | MWF 11:00am - 11:50am | PAC 2201          |

|      |                     |                   |
|------|---------------------|-------------------|
| 0201 | Kieun Kim           | Seats (Total: 13) |
|      | MWF 1:00pm - 1:50pm | PAC 2201          |

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**MUSC492 Keyboard Music I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Permission of ARHU-School of Music department.*

*The history and literature of harpsichord and solo piano music from its beginning to the romantic period. Emphasis is placed on those segments of repertory which are encountered in performance and teaching situations at the present time.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Bradford Gowen       | Seats (Total: 13) |
|      | MW 11:00am - 12:15pm | PAC 2160          |

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**MUSC499 Independent Studies**

(Perm req)                      Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Independent research on a topic chosen in consultation with the instructor, which may culminate in a paper or appropriate project.*

**Contact department for information to register for this course.**

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**MUSC550 Theory of Music Graduate Review**

(Perm req)                      Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Permission of ARHU-School of Music department.*

*Music theory review for graduate students:aural training, counterpoint, basic diatonic harmony, chromatic harmony, and analysis of complete works.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Robert Gibson        | Seats (Total: 15) |
|      | TuTh 2:00pm - 3:15pm | PAC 2160          |

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**MUSC601 Advanced English Lyric Diction**

Credits: 1                      Grading Method: Regular,  
Audit

*Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)) . And permission of instructor; or admission to graduate voice program.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Linda Mabbs          | Seats (Total: 15) |
|      | Tu 10:30am - 12:00pm | PAC 2170          |

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Gran Wilson          | Seats (Total: 15) |
|      | Tu 10:30am - 12:00pm | PAC 2164          |

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Craig Kier           | Seats (Total: 10) |
|      | Th 10:30am - 12:00pm | PAC 1218          |

**Contact department for information to register for this course.**

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**MUSC609 Piano Chamber Music Practicum and Analysis**

(Perm req)

Credits: 2      Grading Method: Regular

*Study of repertoire written for piano in duos or with several instruments, to develop an accompanists advanced performance skills in listening, balance, nuance in dynamics, harmonic motion and phrasing.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Rita Sloan                                    | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0201 | Rita Sloan, Irina Muresanu                    | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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**MUSC611 Opera Techniques I**Credits: 2      Grading Method: Regular,  
Audit

*Corequisite: MUSC601. Restriction: Permission of director of opera; and must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)).*

*Techniques for opera performance: Improvisation; Acting I, Scene Study I; and Movement I. Practical application of styles and techniques to operatic repertoire.*

|      |            |                   |
|------|------------|-------------------|
| 0101 | Craig Kier | Seats (Total: 10) |
|      | TBA        | PAC 2170          |
|      | TBA        | PAC 1218      Lab |

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**MUSC613 Opera Techniques III**

(Perm req)

Credits: 2      Grading Method: Regular,  
Audit

*Prerequisite: Minimum grade of B- in MUSC612; and permission of Director of Opera required.*

*Corequisite: MUSC603 and MUSC605. Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)).*

*Continuation of MUSC 612. Techniques for opera performance: Scene Study III; Movement III; and Shakespeare.*

|      |            |                   |
|------|------------|-------------------|
| 0101 | Craig Kier | Seats (Total: 10) |
|      | TBA        | PAC 2170          |
|      | TBA        | PAC 1218      Lab |

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**MUSC629A Ensemble; Orchestra**

(Perm req)

Credits: 1

Grading Method: Regular

*Rehearsal and performance of selected works for small and large instrumental ensembles.*

Audition required before permission of department will be granted, contact instructor to make arrangements.

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | Jose-Luis Novo       | Seats (Total: 50) |     |
|      | TuTh 3:30pm - 6:30pm | PAC 1230          | Lab |

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### MUSC629C

#### **Ensemble; Wind Ensemble**

(Perm req)

Credits: 1

Grading Method: Regular

*Rehearsal and performance of selected works for small and large instrumental ensembles.*

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0101 | Michael Votta         | Seats (Total: 20) |     |
|      | MWF 11:00am - 12:30pm | PAC 2540          | Lab |

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### MUSC629F

#### **Ensemble; Marching Band**

Credits: 1

Grading Method: Regular

*Rehearsal and performance of selected works for small and large instrumental ensembles.*

|      |                     |                    |     |
|------|---------------------|--------------------|-----|
| 0101 | Elijah Osterloh     | Seats (Total: 175) |     |
|      | MWF 3:00pm - 5:00pm | PAC 2540           | Lab |

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### MUSC629G

#### **Ensemble; Balinese Gamelan**

Credits: 1

Grading Method: Regular

*Rehearsal and performance of selected works for small and large instrumental ensembles.*

|      |                    |                  |     |
|------|--------------------|------------------|-----|
| 0101 | I Suadin           | Seats (Total: 5) |     |
|      | Th 7:00pm - 8:30pm | PAC 1230         | Lab |

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### MUSC629H

#### **Ensemble; Harp**

(Perm req)

Credits: 1

Grading Method: Regular

*Rehearsal and performance of selected works for small and large instrumental ensembles.*

|      |                        |                  |     |
|------|------------------------|------------------|-----|
| 0101 | Sarah Fuller           | Seats (Total: 1) |     |
|      | TuTh 11:00am - 12:15pm | Location: TBA    | Lab |

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**MUSC629J Ensemble; Jazz Ensemble**

(Perm req)

Credits: 1      Grading Method: Regular

*Rehearsal and performance of selected works for small and large instrumental ensembles.*

Audition required before permission of department will be granted, contact instructor to make arrangements.

|      |                    |                   |     |
|------|--------------------|-------------------|-----|
| 0101 | Christopher Vadala | Seats (Total: 20) |     |
|      | MW 5:30pm - 7:15pm | PAC 1230          | Lab |
| 0201 | Christopher Vadala | Seats (Total: 10) |     |
|      | MW 1:00pm - 2:20pm | PAC 1230          | Lab |
| 0301 | Christopher Vadala | Seats (Total: 10) |     |
|      | M 7:30pm - 9:30pm  | PAC 1230          | Lab |

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**MUSC629K Ensemble; Japanese Koto**

Credits: 1      Grading Method: Regular

*Rehearsal and performance of selected works for small and large instrumental ensembles.*

|      |                    |                  |     |
|------|--------------------|------------------|-----|
| 0101 | Kyoko Okamoto      | Seats (Total: 2) |     |
|      | Tu 5:30pm - 7:00pm | PAC 3160         | Lab |

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**MUSC629L Ensemble; Advanced Japanese Koto**

(Perm req)

Credits: 1      Grading Method: Regular

*Rehearsal and performance of selected works for small and large instrumental ensembles.*

|      |                    |                  |     |
|------|--------------------|------------------|-----|
| 0101 | Kyoko Okamoto      | Seats (Total: 4) |     |
|      | Tu 7:00pm - 8:30pm | PAC 3160         | Lab |

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**MUSC629P Ensemble; Percussion Ensemble**

Credits: 1      Grading Method: Regular

*Rehearsal and performance of selected works for small and large instrumental ensembles.*

|      |   |                  |     |
|------|---|------------------|-----|
| 0101 | Lee Hinkle                                    | Seats (Total: 5) |     |
|      | M 5:00pm - 7:30pm                             | PAC 2540         | Lab |
|      | W 5:15pm - 7:15pm                             | PAC 2540         | Lab |
| 0201 | Lee Hinkle                                    | Seats (Total: 5) |     |
|      | Contact instructor or department for details. |                  |     |

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**MUSC629Q Ensemble; Korean Percussion Ensemble**

Credits: 1                      Grading Method: Regular

*Rehearsal and performance of selected works for small and large instrumental ensembles.*

|      |                    |                  |  |
|------|--------------------|------------------|--|
| 0101 | Sebastian Wang     | Seats (Total: 5) |  |
|      | Th 7:00pm - 8:30pm | PAC 2170         |  |

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**MUSC629R Ensemble; Repertoire Orchestra**

(Perm req)

Credits: 1                      Grading Method: Regular

*Rehearsal and performance of selected works for small and large instrumental ensembles.*

Audition required before permission of department will be granted, contact instructor to make arrangements.

|      |                    |                   |     |
|------|--------------------|-------------------|-----|
| 0101 | Tiffany Lu         | Seats (Total: 10) |     |
|      | MW 3:00pm - 5:00pm | PAC 1230          | Lab |

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**MUSC629U Ensemble; University Band**

Credits: 1                      Grading Method: Regular

*Rehearsal and performance of selected works for small and large instrumental ensembles.*

Open by audition, contact instructor to make arrangements.

|      |                   |                   |     |
|------|-------------------|-------------------|-----|
| 0101 | Craig Potter      | Seats (Total: 10) |     |
|      | W 7:30pm - 9:30pm | PAC 2540          | Lab |

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**MUSC629W Ensemble; Wind Orchestra**

Credits: 1                      Grading Method: Regular

*Rehearsal and performance of selected works for small and large instrumental ensembles.*

Open by audition, contact instructor to make arrangements.

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | Michael Votta        | Seats (Total: 30) |     |
|      | TuTh 3:30pm - 6:30pm | PAC 2540          | Lab |

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**MUSC629Z Ensemble; Jazz Combo**

(Perm req)

Credits: 1      Grading Method: Regular

*Rehearsal and performance of selected works for small and large instrumental ensembles.*

Audition required before permission of department will be granted, contact instructor to make arrangements.

|      |   |                   |  |
|------|---|-------------------|--|
| 0101 | Gerard Kunkel                                 | Seats (Total: 10) |  |
|      | Contact instructor or department for details. |                   |  |
| 0201 | Thomas Baldwin                                | Seats (Total: 10) |  |
|      | Contact instructor or department for details. |                   |  |
| 0301 | Nicholas Vassar                               | Seats (Total: 10) |  |
|      | Contact instructor or department for details. |                   |  |
| 0401 | Leo Rayon                                     | Seats (Total: 10) |  |
|      | Contact instructor or department for details. |                   |  |

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**MUSC632 The Anthropology of Music**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUET650 or MUSC632. Formerly: MUET650.*

*Explores how leading theoretical paradigms in socio-cultural anthropology have been incorporated into and shaped ethnomusicological research.*

|      |                   |                   |  |
|------|-------------------|-------------------|--|
| 0101 | Fernando Rios     | Seats (Total: 12) |  |
|      | W 3:30pm - 6:00pm | PAC 3110A         |  |

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**MUSC639J Seminar in Music; Seminar in Music: Brahms**

Credits: 3      Grading Method: Regular,  
Audit

*The work of one major composer (Bach, Beethoven, etc.) will be studied.*



|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Kenneth Slowik     | Seats (Total: 20) |
|      | Tu 7:00pm - 9:30pm | PAC 2168          |

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**MUSC646 Introduction to Musicology**

Credits: 3                      Grading Method: Regular

*Prerequisite: Graduate student standing in in the School of Music. Credit only granted for: MUSC648 or MUSC646.*

*An introduction to the basics of musicological research, including sources, methodologies, and techniques, as well as the fundamentals of both academic and non-academic writing.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Olga Haldey            | Seats (Total: 10) |
|      | TuTh 11:00am - 12:15pm | PAC 3110A         |

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**MUSC648 Seminar in Music Research; Seminar in Music Research**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*An introduction to graduate study in the history and literature of music. Bibliography and methodology of systematic and historical musicology.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Paul Covey            | Seats (Total: 15) |
|      | Tu 7:00pm - 9:30pm    | PAC 2515C         |
| 0201 | Paul Covey            | Seats (Total: 15) |
|      | M 7:00pm - 9:30pm     | PAC 2515C         |
| 0301 | Paul Covey            | Seats (Total: 15) |
|      | TuTh 9:30am - 10:45am | PAC 2515C         |
| 0401 | Eric Hermann          | Seats (Total: 15) |
|      | Th 7:00pm - 9:30pm    | PAC 2515C         |

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**MUSC649A Ensemble; University of Maryland Chorale**

(Perm req)

Credits: 1                      Grading Method: Regular

Audition required before permission of department will be granted, contact instructor to make arrangements.

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | Edward Maclary       | Seats (Total: 10) |     |
|      | TuTh 4:30pm - 6:00pm | PAC 2201          | Lab |

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**MUSC649B Ensemble; Chamber Singers**

(Perm req)

Credits: 1      Grading Method: Regular

Audition required before permission of department will be granted, contact instructor to make arrangements.

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | Edward Maclary       | Seats (Total: 10) |     |
|      | MW 3:00pm - 3:50pm   | PAC 2201          | Lab |
|      | TuTh 3:30pm - 4:20pm | PAC 2201          | Lab |

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**MUSC649E Ensemble; Ensemble: Gospel Choir**

Credits: 1      Grading Method: Regular

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0101 | Anne Carswell       | Seats (Total: 10) |     |
|      | Th 7:00pm - 10:00pm | PAC 2201          | Lab |

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**MUSC649M Ensemble; Men's Chorus**

Credits: 1      Grading Method: Regular

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0101 | Kieun Kim             | Seats (Total: 10) |     |
|      | MWF 12:00pm - 12:50pm | PAC 1230          | Lab |

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**MUSC649O Ensemble; Opera Chorus**

(Perm req)

Credits: 1      Grading Method: Regular

|      |                   |                   |     |
|------|-------------------|-------------------|-----|
| 0101 | Edward Maclary    | Seats (Total: 15) |     |
|      | F 4:00pm - 6:00pm | PAC 2170          | Lab |

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**MUSC649W Ensemble; Treble Choir**

Credits: 1      Grading Method: Regular

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0101 | Kathryn Hylton        | Seats (Total: 10) |     |
|      | MWF 12:00pm - 12:50pm | PAC 2201          | Lab |

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**MUSC651****The Theories of Heinrich Schenker**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit*Prerequisite: MUSC450; or permission of ARHU-School of Music department.**The analytical methods of Heinrich Schenker with application of those theories to musical literature from the Baroque, Classical and Romantic periods.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Thomas DeLio      | Seats (Total: 10) |
|      | W 2:00pm - 4:30pm | PAC 2164          |

**MUSC655****Theory of Jazz**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit*Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUSC655 or MUSC699J. Formerly: MUSC699J.**Analysis of jazz harmony, with emphasis on principles of substitution, reharmonization, and syntax. Topics may also include chord/scale relationships, phrasing, articulation, notation and orchestration.*

|      |                      |                  |
|------|----------------------|------------------|
| 0101 | Timothy Powell       | Seats (Total: 4) |
|      | TuTh 3:30pm - 4:45pm | PAC 3168         |

**MUSC659A****Seminar in Repertoire and Pedagogy**

(Perm req)

Credits: 2-3      Grading Method: Regular

*Analysis and preparation of choral master works from all major style periods for the purpose of successful rehearsal and performance by conductors.*

|      |                      |                  |
|------|----------------------|------------------|
| 0101 | Edward Maclary       | Seats (Total: 6) |
|      | MW 10:00am - 10:50am | PAC 3160         |

**MUSC659C****Seminar in Repertoire and Pedagogy; Wind Repertoire and Pedagogy**

(Perm req)

Credits: 2-3      Grading Method: Regular,  
Audit*Analysis and preparation of choral master works from all major style periods for the purpose of successful rehearsal and performance by conductors.*

|      |   |                  |
|------|---|------------------|
| 0101 | Michael Votta                                 | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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**MUSC669D      Orchestral Excerpts for String Players; Viola**

(Perm req)

Credits: 1

Grading Method: Regular,  
Audit

*In-depth study of the orchestral excerpts required for professional orchestra auditions.*

0101

Katherine Murdock

Seats (Total: 10)

Contact instructor or department for details.

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**MUSC669E      Orchestral Excerpts for String Players; Cello**

(Perm req)

Credits: 1

Grading Method: Regular,  
Audit

*In-depth study of the orchestral excerpts required for professional orchestra auditions.*

0101

Eric Kutz

Seats (Total: 10)

Contact instructor or department for details.

---

**MUSC669F      Orchestral Excerpts for String Players; Bass**

(Perm req)

Credits: 1

Grading Method: Regular,  
Audit

*In-depth study of the orchestral excerpts required for professional orchestra auditions.*

0101

Robert Oppelt

Seats (Total: 15)

W 4:30pm - 5:45pm

Location: TBA

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**MUSC669V      Orchestral Excerpts for String Players; Harp**

(Perm req)

Credits: 1

Grading Method: Regular,  
Audit

*In-depth study of the orchestral excerpts required for professional orchestra auditions.*

0101

Sarah Fuller

Seats (Total: 5)

Contact instructor or department for details.

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**MUSC670      Advanced Analytical Techniques I**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: MUSC451; or permission of ARHU-School of Music department.*

*Analysis of representative masterpieces of the eighteenth and early nineteenth centuries.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | James Fry              | Seats (Total: 15) |
|      | TuTh 11:00am - 12:15pm | PAC 3160          |

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**MUSC679F Seminar in Ethnomusicology; Music and Film in Cross-Cultural Perspectives**

(Perm req)

Credits: 3      Grading Method: Regular

*Seminar topics address current issues, including gender, the social economy of music, ethnography of performance, etc.*

|      |                   |                  |
|------|-------------------|------------------|
| 0101 | John Witzleben    | Seats (Total: 8) |
|      | M 3:30pm - 6:00pm | PAC 3110A        |

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**MUSC699 Selected Topics in Music**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**MUSC699D Selected Topics in Music; Diction for Pianist**

Credits: 2      Grading Method: Regular,  
Audit

|      |   |                  |
|------|---|------------------|
| 0101 | Robert McReynolds                             | Seats (Total: 8) |
|      | Contact instructor or department for details. |                  |

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**MUSC699E Selected Topics in Music; The Entrepreneurial Musician**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Lee Hinkle            | Seats (Total: 10) |
|      | TuTh 9:30am - 10:45am | PAC 3160          |

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**MUSC699F Selected Topics in Music; Musical Movement and Music Analysis**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Dora Hanninen      | Seats (Total: 10) |
|      | F 11:00am - 1:30pm | PAC 3110A         |

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**MUSC699L      Selected Topics in Music; Translating Music(ally): From the Page to the Stage and Screen**

(Perm req)

Credits: 3                      Grading Method: Regular,  
   Audit

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Olga Haldey       | Seats (Total: 15) |
|      | W 6:30pm - 9:00pm | PAC 3110A         |

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**MUSC699O      Selected Topics in Music; 17th and 18th Century Opera Studies**

(Perm req)

Credits: 3                      Grading Method: Regular,  
   Audit

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Richard King       | Seats (Total: 15) |
|      | Th 3:30pm - 6:00pm | PAC 3110A         |

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**MUSC699W      Selected Topics in Music; Instrumental Pedagogy**

Credits: 3                      Grading Method: Regular,  
   Audit

**Contact department for information to register for this course.**

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**MUSC757      Aural Skills for Conductors**

(Perm req)

Credits: 1                      Grading Method: Regular

*Restriction: Permission of ARHU-School of Music department.*

*Advanced musicianship skills necessary for conductors.*

|      |                     |                  |
|------|---------------------|------------------|
| 0101 | Michael Votta       | Seats (Total: 5) |
|      | Tu 12:30pm - 1:30pm | PAC 2126         |
|      | W 1:00pm - 1:50pm   | PAC 2126         |

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**MUSC758      Advanced Aural Skills for Conductors**

(Perm req)

Credits: 1                      Grading Method: Regular,  
   Audit

*Continuation of MUSC757, advanced aural skills necessary for conductors.*

|      |                   |                  |
|------|-------------------|------------------|
| 0101 | Michael Votta     | Seats (Total: 5) |
|      | W 1:00pm - 2:15pm | PAC 2126         |

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**MUSC799****Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular

**Contact department for information to register for this course.****MUSC800P****Advanced Seminar in Music Pedagogy**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor.*

*A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Grace Bottelier   | Seats (Total: 15) |
|      | W 2:30pm - 5:00pm | PAC 2126          |

**MUSC800V****Advanced Seminar in Music Pedagogy**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor.*

*A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Martha Randall    | Seats (Total: 15) |
|      | W 3:00pm - 5:30pm | PAC 3164      Lab |

**MUSC800W****Advanced Seminar in Music Pedagogy**

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor.*

*A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Sarah Frisof                                  | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0201 | Mark Hill                                     | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0301 | Robert DiLutis                                | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0401 | Erich Heckscher                               | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0501 | Timothy Powell                                | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0601 | Gregory Miller                                | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0701 | Paul Gekker                                   | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0801 | Matthew Guilford                              | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0901 | David Fedderly                                | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 1001 | Paul Kellner                                  | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 1101 | Lee Hinkle                                    | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

## MUSC801W

### Advanced Seminar in Music Pedagogy

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor.*

*A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.*

**Contact department for information to register for this course.**



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**MUSC802A      Advanced Seminar in Music Pedagogy III**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit*Prerequisite: MUSC801. Restriction: Permission of ARHU-School of Music department.**A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument.*

|      |   |                  |  |
|------|---|------------------|--|
| 0101 | Robert McReynolds                             | Seats (Total: 5) |  |
|      | Contact instructor or department for details. |                  |  |

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**MUSC811      Doctoral Opera Techniques**

(Perm req)

Credits: 2                      Grading Method: Regular,  
Audit*Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUSC611 or MUSC811.**Techniques for opera performance: Improvisation; Acting I, Scene Study I; and Movement I. Practical application of styles, techniques to operate repertoire, and methodology seminar.*

|      |            |                  |     |
|------|------------|------------------|-----|
| 0101 | Craig Kier | Seats (Total: 5) |     |
|      | TBA        | PAC 2170         |     |
|      | TBA        | PAC 1218         | Lab |

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**MUSC813      Doctoral Opera Techniques III**

(Perm req)

Credits: 2                      Grading Method: Regular,  
Audit*Prerequisite: MUSC812; and permission of ARHU-School of Music department. Credit only granted for: MUSC613 and MUSC813.**Continuation of MUSC812. Techniques for opera performance: Scene Study III; Movement III; Acting III Shakespeare; Dance I; Stage Combat II; Stage Combat II; and methodology seminar.*

|      |            |                  |     |
|------|------------|------------------|-----|
| 0101 | Craig Kier | Seats (Total: 5) |     |
|      | TBA        | PAC 2170         |     |
|      | TBA        | PAC 1218         | Lab |

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**MUSC830S      Doctoral Seminar in Music Literature**

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: Must have completed at least twelve hours in music history and literature.*

*An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music; required of all candidates for the D.M.A. Degree in literature-performance.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Kenneth Slowik     | Seats (Total: 15) |
|      | M 9:00am - 12:00pm | PAC 2126          |

**MUSC830W      Doctoral Seminar in Music Literature**

(Perm req) Credits: 3 Grading Method: Regular

*Prerequisite: Must have completed at least twelve hours in music history and literature.*

*An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music; required of all candidates for the D.M.A. Degree in literature-performance.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Aaron Goldman                                 | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0201 | Mark Hill                                     | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0301 | Robert DiLutis                                | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0401 | Erich Heckscher                               | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0501 | Timothy Powell                                | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0601 | Gregory Miller                                | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0701 | Paul Gekker                                   | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0801 | Matthew Guilford                              | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0901 | David Fedderly                                | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |



*Special seminar topics in Neuroscience and Cognitive Science.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Ricardo Araneda     | Seats (Total: 20) |
|      | F 10:15am - 11:15am | BRB 1103          |

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**NACS640 Foundational Readings Seminar**

(Perm req)

Credits: 2      Grading Method: Regular

*Restriction: Permission of instructor; and must be in Neurosciences and Cognitive Sciences (Doctoral) program. Credit only granted for: NACS640 or NACS728R. Formerly: NACS728R.*

*An introduction to the breadth of research in Neuroscience and Cognitive Science. Faculty will present papers to provide historical context and introduction to important issues in the fields of their research.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | J Carson Smith      | Seats (Total: 12) |
|      | Tu 9:30am - 11:30am | COL 0211          |

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**NACS641 Introduction to Neurosciences**

(Perm req)

Credits: 4      Grading Method: Regular,  
Audit

*Restriction: Permission of instructor.*

*Detailed examination of neurophysiology and sensorimotor systems.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Jens Herberholz    | Seats (Total: 15) |
|      | MW 3:00pm - 4:45pm | BPS 0283          |

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**NACS643 Computational Neuroscience**

Credits: 4      Grading Method: Regular,  
Audit

*Prerequisite: NACS641; and must have completed a course in calculus; and permission of instructor.*

*Provides a mathematical foundation in computational neuroscience.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Daniel Butts        | Seats (Total: 20) |
|      | MW 12:00pm - 1:50pm | PLS 1180          |

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**NACS645 Cognitive Science**

Credits: 4      Grading Method: Regular, Audit

*Credit only granted for: NACS645 or NACS728Y. Formerly: NACS728Y.*

*A study of mental representations and computations. Issues examined include computation, representations, decisions, modularity, evolution, innateness, and reductionism.*

|      |                             |                   |
|------|-----------------------------|-------------------|
| 0101 | Yi Ting Huang, Robert Slevc | Seats (Total: 25) |
|      | MW 1:00pm - 2:45pm          | COL 0211          |

**NACS728F**

## Selected Topics in Neuroscience and Cognitive Science; Introduction to Functional Magnetic Resonance Imaging

Credits: 3      Grading Method: Regular,  
Audit

*Graduate seminar on selected topics in contemporary neuroscience and Cognitive science. Extensive readings from the primary literature. Topics vary by semester.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Luiz Pessoa            | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | BPS 1232          |

**NACS728J**

## Selected Topics in Neuroscience and Cognitive Science; Biology of Chemosensory Systems

Credits: 3      Grading Method: Regular

*Graduate seminar on selected topics in contemporary neuroscience and Cognitive science. Extensive readings from the primary literature. Topics vary by semester.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Ricardo Araneda    | Seats (Total: 10) |
|      | MW 2:00pm - 3:15pm | BPS 2249          |

## NACS798

### Master's Non-Thesis Research

Credits: 1-3      Grading Method: Regular

*Individual research course for NACS non-thesis MS degree*

**Contact department for information to register for this course.**

## NACS799

## Master's Thesis Research

Credits: 1-3      Grading Method: Regular

*Individualized research course for NACS thesis MS degree*

**Contact department for information to register for this course.**

**NACS898****Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

**NACS899****Doctoral Dissertation Research**

(Perm req)

Credits: 6      Grading Method: Regular, Sat-Fail

*Individual instruction course: contact department or instructor to obtain section number*

**Contact department for information to register for this course.**

**NAVY****Navy****Fall 2017****NAVY100****Introduction to Naval Science**

Credits: 3      Grading Method: Regular

*Introduction to the naval profession and concepts of sea power. Major topics explored are the mission, strategy, organization, and descriptions of the U.S. Navy and Marine Corps. Students will gain a basic understanding of warfighting capabilities, required leadership skills, training and education, and the duties and responsibilities of a U.S. Navy and Marine Corps Junior Officer. The student will learn Naval courtesy and customs, military justice, and nomenclature as well as the professional competencies required to become a naval officer.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Adam Klimas        | Seats (Total: 75) |
|      | MW 8:00am - 9:15am | PLS 1130          |

**NAVY108****Naval Science Leadership Lab**

Credits: 1      Grading Method: Regular

*Introduces the student to a variety of instructional sessions and/or activities that will develop the leadership component of the Naval ROTC program. The Naval Science leadership lab may include, but not be limited to, close-order drill, physical fitness training, ceremonial functions, Department of the Navy policy, guest lecturers, general military training (GMT), Anti-Terrorism Force Protection (ATFP), traffic safety, nutrition, stress management, prevention of sexual harassment, and operations security.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Stew Wennersten    | Seats (Total: 75) |
|      | Th 7:00am - 7:50am | ARM 0135          |

**NAVY200****Leadership and Management**

Credits: 3      Grading Method: Regular

*Restriction: Permission of UGST-Navy ROTC. Additional information: Priority enrollment will be given to students enrolled in the NROTC program.*

*Introductory course designed to familiarize students with the theories, processes, and behaviors that enable effective leadership and managerial competence. Students will engage in analytical discussions, review leadership development and education, and Navy/Marine Corps-based case study discussions in order to develop their understanding of personal strengths, values and growth opportunities in the context of team, group and organizational leadership.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Stew Wennersten      | Seats (Total: 40) |
|      | TuTh 8:00am - 9:15am | SYM 0200          |

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## **NAVY300**

### **Naval Ship Systems I (Engineering)**

Credits: 3                      Grading Method: Regular

*Recommended: MATH140 and MATH141. Restriction: Permission of UGST-Navy ROTC. Additional information: Priority enrollment will be given to students enrolled in the NROTC program.*

*Introduces the student to a comprehensive fundamental understanding of United States naval engineering principles and systems. Topics include thermodynamics, incompressible fluid flow, electrical theory, hydraulics and pneumatics, power train components, fluid/lube oil systems, desalination, fundamentals of nuclear power, propulsion systems (internal combustion, gas turbines, and steam), electrical distribution, ship stability and control and damage control. Students will also examine case studies to apply and analyze course topics within naval ships systems contexts.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Christopher Anderson | Seats (Total: 20) |
|      | MW 8:00am - 9:15am   | ARM 0120          |

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## **NAVY400**

### **Naval Operations and Seamanship**

Credits: 3                      Grading Method: Regular

*Recommended: NAVY201. Restriction: Permission of UGST-Navy ROTC. Additional information: Priority enrollment will be given to students enrolled in the NROTC program.*

*Capstone course for senior NROTC Navy-option midshipmen in advanced navigation, communications, naval operations, and naval warfare. Students learn through simulation in a computer classroom known as the Maritime Skills Simulator (MSS), in addition to lectures, discussions, and qualitative and quantitative tests/examinations. Students will engage in discussions regarding the moral and ethical responsibilities of military leaders, as well as the essential attributes of character required for effective leadership.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Michael Tenaglia     | Seats (Total: 20) |
|      | TuTh 8:00am - 9:15am | ARM 0120          |

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*The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.*

**NFSC100****Elements of Nutrition**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: LS      General Education: DSNS

*Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs.*

|      |   |   |            |
|------|---|---|------------|
| 0101 | Seong-Ho Lee<br>MW 1:00pm - 1:50pm<br>Th 8:30am - 9:20am  | Seats (Total: 25)<br>TYD 0130<br>ASY 3219 | Discussion |
| 0103 | Seong-Ho Lee<br>MW 1:00pm - 1:50pm<br>W 11:00am - 11:50am | Seats (Total: 25)<br>TYD 0130<br>ASY 3211 | Discussion |
| 0104 | Seong-Ho Lee<br>MW 1:00pm - 1:50pm<br>Th 12:30pm - 1:20pm | Seats (Total: 25)<br>TYD 0130<br>SQH 1105 | Discussion |
| 0105 | Seong-Ho Lee<br>MW 1:00pm - 1:50pm<br>F 11:00am - 11:50am | Seats (Total: 25)<br>TYD 0130<br>ASY 3203 | Discussion |
| 0106 | Seong-Ho Lee<br>MW 1:00pm - 1:50pm<br>F 10:00am - 10:50am | Seats (Total: 25)<br>TYD 0130<br>EDU 3236 | Discussion |
| 0107 | Seong-Ho Lee<br>MW 1:00pm - 1:50pm<br>W 10:00am - 10:50am | Seats (Total: 25)<br>TYD 0130<br>ASY 3215 | Discussion |
| 0108 | Seong-Ho Lee<br>MW 1:00pm - 1:50pm<br>W 2:00pm - 2:50pm   | Seats (Total: 25)<br>TYD 0130<br>ASY 3219 | Discussion |



|      |   |   |            |
|------|---|---|------------|
| 0109 | Seong-Ho Lee<br>MW 1:00pm - 1:50pm<br>Tu 2:00pm - 2:50pm  | Seats (Total: 25)<br>TYD 0130<br>JMZ 1224 | Discussion |
| 0111 | Seong-Ho Lee<br>MW 1:00pm - 1:50pm<br>Tu 12:30pm - 1:20pm<br><br><i>Recommended for NFSC majors only.</i>   | Seats (Total: 25)<br>TYD 0130<br>ASY 3219 | Discussion |
| 0112 | Seong-Ho Lee<br>MW 1:00pm - 1:50pm<br>W 3:00pm - 3:50pm   | Seats (Total: 25)<br>TYD 0130<br>EDU 3233 | Discussion |
| 0113 | Seong-Ho Lee<br>MW 1:00pm - 1:50pm<br>W 12:00pm - 12:50pm   | Seats (Total: 25)<br>TYD 0130<br>ASY 3215 | Discussion |
| 0114 | Seong-Ho Lee<br>MW 1:00pm - 1:50pm<br>Th 11:00am - 11:50am  | Seats (Total: 25)<br>TYD 0130<br>WDS 0104 | Discussion |
| 0116 | Seong-Ho Lee<br>MW 1:00pm - 1:50pm<br>F 12:00pm - 12:50pm   | Seats (Total: 25)<br>TYD 0130<br>WDS 0104 | Discussion |
| FC01 | Shaik Rahaman, Seong-Ho Lee, Nadine Sahyoun<br>MW 4:30pm - 5:20pm<br>F 11:30am - 12:20pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 24)<br>SYM 0200<br>ASY 3207 | Discussion |
| FC02 | Shaik Rahaman, Nadine Sahyoun, Seong-Ho Lee<br>MW 4:30pm - 5:20pm<br>F 1:00pm - 1:50pm<br><br><i>Restricted to students in Freshmen Connection.</i>   | Seats (Total: 24)<br>SYM 0200<br>ASY 3215 | Discussion |

## NFSC100H

### Elements of Nutrition

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: LS

General Education: DSNS

*Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs.*

For general honors students only.

|      |                    |                   |            |
|------|--------------------|-------------------|------------|
| 0101 | Seong-Ho Lee       | Seats (Total: 12) |            |
|      | MW 1:00pm - 1:50pm | TYD 0130          |            |
|      | Tu 3:00pm - 3:50pm | JMZ 3122          | Discussion |

## NFSC112

### Food: Science and Technology

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: LS

General Education: DSNS

*Introduction to the realm of food science, food technology and food processing. An overview of the largest industry in the U.S. with emphasis on the science of food and the technology of food preservation from harvest through processing and packaging to distribution and consumer utilization.*

|      |                               |                   |            |
|------|-------------------------------|-------------------|------------|
| 0101 | Abani Pradhan, Solmaz Alborzi | Seats (Total: 30) |            |
|      | MW 10:00am - 10:50am          | ARM 0131          |            |
|      | Th 12:30pm - 1:20pm           | SQH 1119          | Discussion |
| 0102 | Solmaz Alborzi, Abani Pradhan | Seats (Total: 30) |            |
|      | MW 10:00am - 10:50am          | ARM 0131          |            |
|      | Th 4:00pm - 4:50pm            | KEY 0100          | Discussion |
| 0103 | Solmaz Alborzi, Abani Pradhan | Seats (Total: 30) |            |
|      | MW 10:00am - 10:50am          | ARM 0131          |            |
|      | F 12:00pm - 12:50pm           | KEY 0100          | Discussion |
| 0104 | Abani Pradhan, Solmaz Alborzi | Seats (Total: 30) |            |
|      | MW 10:00am - 10:50am          | ARM 0131          |            |
|      | F 3:00pm - 3:50pm             | KEY 0125          | Discussion |
| 0105 | Abani Pradhan, Solmaz Alborzi | Seats (Total: 30) |            |
|      | MW 10:00am - 10:50am          | ARM 0131          |            |
|      | W 2:00pm - 2:50pm             | WDS 1114          | Discussion |
| 0106 | Abani Pradhan, Solmaz Alborzi | Seats (Total: 30) |            |
|      | MW 10:00am - 10:50am          | ARM 0131          |            |
|      | W 3:00pm - 3:50pm             | WDS 1114          | Discussion |

|   |                               |                   |
|---|-------------------------------|-------------------|
| FC01  | Solmaz Alborzi, Abani Pradhan | Seats (Total: 35) |
|   | MW 3:00pm - 4:15pm            | WDS 0104          |
| <i>Restricted to students in Freshmen Connection.</i> |                               |                   |

## NFSC350

### Foodservice Operations

(Perm req)

Credits: 5

Grading Method: Regular

*Prerequisite: BSCI223 and BMGT364; and permission of AGNR-Nutrition and Food Science department. Restriction: Must be in Nutrition and Food Science: Dietetics program.*

*Introduction to management. Responsibilities in quantity food production and purchasing in a foodservice operation. Laboratory experience in planning, preparation, and service of meals which meet the nutritional needs of the consumer.*

|      |                                  |                  |
|------|----------------------------------|------------------|
| 0101 | Margaret Udahogora, Ashley Lewis | Seats (Total: 9) |
|      | TuTh 4:00pm - 5:15pm             | TYD 1101         |
|      | Tu 8:00am - 1:30pm               | MMH 3108 Lab     |
| 0102 | Margaret Udahogora, Ashley Lewis | Seats (Total: 9) |
|      | TuTh 4:00pm - 5:15pm             | TYD 1101         |
|      | Th 8:00am - 1:30pm               | MMH 3108 Lab     |
| 0103 | Margaret Udahogora, Ashley Lewis | Seats (Total: 9) |
|      | TuTh 4:00pm - 5:15pm             | TYD 1101         |
|      | Tu 8:00am - 1:30pm               | MMH 3401 Lab     |
| 0104 | Ashley Lewis, Margaret Udahogora | Seats (Total: 9) |
|      | TuTh 4:00pm - 5:15pm             | TYD 1101         |
|      | Th 8:00am - 1:30pm               | MMH 3401 Lab     |

## NFSC380

### Methods of Nutritional Assessment

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: NFSC315 and BCHM461; and permission of AGNR-Nutrition and Food Science department. Restriction: Must be in Nutrition and Food Science: Food Science program.*

*Methods of assessing human nutritional status of populations and individuals. These methods include dietary, anthropometric, clinical evaluations and biochemical measurements.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Margaret Udahogora | Seats (Total: 15) |
|      | MW 1:00pm - 1:50pm | SKN 0104          |
|      | M 2:00pm - 5:00pm  | SKN 0101      Lab |
| 0102 | Margaret Udahogora | Seats (Total: 15) |
|      | MW 1:00pm - 1:50pm | SKN 0104          |
|      | W 2:00pm - 5:00pm  | SKN 0101      Lab |

### NFSC386

#### Experiential Learning

(Perm req)

Credits: 3-6

Grading Method: Regular,  
Pass-Fail

*Prerequisite: Permission of AGNR-Nutrition and Food Science department. Restriction: Junior standing or higher. Formerly: FDSC386 and NUTR386.*

**Contact department for information to register for this course.**

### NFSC388

#### Honors Thesis Research

Credits: 3-6

Grading Method: Regular

*Undergraduate honors thesis research conducted under the direction of an AGNR faculty member in partial fulfillment of the requirements of the College of AGNR Honors Program. The thesis will be defended to a faculty committee.*

|      |   |                   |
|------|---|-------------------|
| 1301 | Qin Wang                                      | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

### NFSC399

#### Special Problems in Food Science

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Designed for advanced undergraduates. Specific problems in food science will be assigned.*

**Contact department for information to register for this course.**

### NFSC421

#### Food Chemistry

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BCHM461.*

*Basic chemical and physical concepts are applied to the composition and properties of foods. Emphasis on the relationship of processing technology to the keeping quality, nutritional value, and acceptability of foods.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Liangli Yu          | Seats (Total: 60) |
|      | MW 12:30pm - 1:45pm | LEF 2166          |

## NFSC422 Food Product Research and Development

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: CS      General Education: DSSP

*Restriction: Senior standing; and must be in a major within AGNR-Nutrition and Food Science department; and permission of AGNR-Nutrition and Food Science department. Formerly: FDSC422.*

*A capstone course for FDSC majors. A study of the research and development of new food products. Application of food technology, engineering, safety and packaging are integrated by teams of students to develop a new food product from concept to pilot plant scale-up. Students will travel to nearby food processing plants on two to four Saturdays during the semester.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Solmaz Alborzi    | Seats (Total: 15) |
|      | W 2:00pm - 2:50pm | PLS 1162          |
|      | F 1:00pm - 5:00pm | MMH 3401      Lab |

## NFSC423 Food Chemistry Laboratory

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSSP

*Prerequisite: Must have completed or be concurrently enrolled in NFSC421.*

*Analysis of the major and minor constituents of food using chemical, physical and instrumental methods in concordance with current food industry and regulatory practices. Laboratory exercises coincide with lecture subjects in NFSC421.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Liangli Yu         | Seats (Total: 15) |
|      | W 8:30am - 9:20am  | MMH 3419          |
|      | W 9:30am - 12:20pm | MMH 3419      Lab |

## NFSC425 International Nutrition

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Prerequisite: Must have completed one course in basic nutrition.*

*Nutritional status of world population; consequences of malnutrition on health and mental development; and local, national, and international programs for nutritional improvement.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Robert Jackson, Saira Khan | Seats (Total: 25) |
|      | TuTh 11:00am - 12:15pm     | PLS 1115          |

#### **NFSC440      Advanced Human Nutrition**

(Perm req)

Credits: 4      Grading Method: Regular

*Prerequisite: BCHM462, BSCI440, and NFSC100; and permission of AGNR-Nutrition and Food Science department.*

*A critical study of physiologic, molecular and metabolic influences on utilization of carbohydrates, lipids, proteins, vitamins, macro-and micro- minerals, and nonnutritive components of food. Interactions of these nutrients and food components will be examined relative to maintaining health.*

Also offered as NFSC678R.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | David Lei            | Seats (Total: 75) |
|      | TuTh 2:00pm - 3:40pm | PLS 1140          |

#### **NFSC490      Special Problems in Nutrition**

(Perm req)

Credits: 2-3      Grading Method: Regular,      General Education: DSSP  
Pass-Fail, Audit

*Prerequisite: NFSC440; and permission of AGNR-Nutrition and Food Science department.*

*Individually selected problems in the area of human nutrition.*

**Contact department for information to register for this course.**

#### **NFSC498      Selected Topics**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Selected current aspects of food.*

**Contact department for information to register for this course.**

#### **NFSC498A      Selected Topics; Individual Study**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Selected current aspects of food.*

**Contact department for information to register for this course.**

#### **NFSC498F      Selected Topics; Current Topics in Nutrition and Chronic Disease**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected current aspects of food.*

Prerequisite: NFSC100 or comparable course, or by permission of the instructor. Analysis of current topics related to diet, nutrition, and human health at cellular, molecular and biochemical level. Further, this course will provide overview of the current methods, and in vitro/vivo model systems used in research. Syllabus includes topics relevant to dietary regulation of genes/proteins and their impact on both physiological and pathological conditions including hyperlipidemia, hyperglycemia, and oncogenesis. This course is designed to help students to understand and apply current scientific concepts and research methods, and to obtain necessary skills in evaluation/interpretation of evidence based scientific data.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Shaik Rahaman     | Seats (Total: 20) |
|      | M 2:15pm - 5:00pm | MMH 3112          |

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**NFSC498T      Selected Topics; Advanced Food Processing and Safety**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected current aspects of food.*

Prerequisite: NFSC112, BSCI223 or equivalent, and NFSC421. Also offered as NFSC679T. Credit granted for NFSC679T or NFSC498T.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Rohan Tikekar       | Seats (Total: 20) |
|      | Tu 9:30am - 12:15pm | SKN 0101          |

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**NFSC620      Diet and Cancer Prevention**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: NFSC440; or permission of instructor. Credit only granted for: NFSC620 or NFSC679D. Formerly: NFSC678D.*

*1. The nature of cancer and the relationship between dietary/nutritional factors and incidence of cancer  
2. Basic concepts of general cancer biology with focus on effects of dietary components on genes and their encoded proteins, epigenetic changes and cell signaling  
3. Effect of dietary factors in various types of cancer with respect to the benefit of intervention strategies for chemoprevention  
4. Scientific knowledge, critical thinking, and the practical application of diet in cancer prevention.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Seong-Ho Lee       | Seats (Total: 15) |
|      | Tu 4:00pm - 6:45pm | MMH 3112          |

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**NFSC678A**

Credits: 1-4

*Individual or group study in an area of nutrition.*

**Contact department for information to register for this course.**

**NFSC678F**

Credits: 3

*Individual or group study in an area of nutrition.*

Prerequisite: NFSC100 or comparable course, or by permission of the instructor. Analysis of current topics related to diet, nutrition, and human health at cellular, molecular and biochemical level. Further, this course will provide overview of the current methods, and in vitro/vivo model systems used in research. Syllabus includes topics relevant to dietary regulation of genes/proteins and their impact on both physiological and pathological conditions including hyperlipidemia, hyperglycemia, and oncogenesis. This course is designed to help students to understand and apply current scientific concepts and research methods, and to obtain necessary skills in evaluation/interpretation of evidence based scientific data.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Shaik Rahaman     | Seats (Total: 20) |
|      | M 2:15pm - 5:00pm | MMH 3112          |

**NFSC678R**

(Perm req)

Credits: 4

*Individual or group study in an area of nutrition.*

Also offered as NFSC440. Prerequisites: NFSC100, BCHM462, BSCI440, and permission of department.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | David Lei            | Seats (Total: 75) |
|      | TuTh 2:00pm - 3:40pm | PLS 1140          |

**NFSC678V**

Credits: 3

*Individual or group study in an area of nutrition.*



The major goals of this course are to help students understand fundamental behavioral, social models and theories used in the field of nutrition, and to address methodological issues in developing, implementing, and evaluating intervention programs, particularly in the context of nutrition education and behavior. The class topics include types of social and behavioral theories and models applied in the field of nutrition education and public health, conceptual framework building, methodological basics (conceptualizing and operationalizing measurements reliability and validity of scales, psychometric analysis including factor analysis, and issues in evaluating intervention programs.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Hee-Jung Song      | Seats (Total: 15) |
|      | Tu 2:30pm - 5:15pm | SKN 0101          |

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**NFSC679R      Selected Topics in Food Science; Food Safety and Nutrition Risk Assessment**

Credits: 4                      Grading Method: Regular

*Individual or group study in an area of food science.*

|      |                      |                           |
|------|----------------------|---------------------------|
| 0101 | Abani Pradhan        | Seats (Total: 25)         |
|      | MW 11:00am - 11:50am | KEY 0126                  |
|      | F 11:00am - 1:30pm   | TYD 0117              Lab |

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**NFSC679T      Selected Topics in Food Science; Advanced Food Processing and Safety**

Credits: 3                      Grading Method: Regular

*Individual or group study in an area of food science.*

Prerequisite: NFSC112, BSCI223 or equivalent, and NFSC421. Also offered as NFSC498T. Credit granted for NFSC679T or NFSC498T.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Rohan Tikekar       | Seats (Total: 20) |
|      | Tu 9:30am - 12:15pm | SKN 0101          |

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**NFSC688      Seminar in Nutrition and Food Science**

Credits: 1-3                      Grading Method: Regular,  
Audit

*This is a seminar course presented by NFSC graduate students and invited speakers in the field of nutrition and food science.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Nadine Sahyoun      | Seats (Total: 25) |
|      | W 12:00pm - 12:50pm | KEY 0126          |

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**NFSC699****Problems in Nutrition and Food Science**

(Perm req)

Credits: 1-4

Grading Method: Regular,  
Audit

*Credit according to time scheduled and magnitude of problem. An experimental program on a topic other than the student's thesis problem will be conducted. Four credits shall be the maximum allowed toward an advanced degree.*

**Contact department for information to register for this course.**

**NFSC735****Food Toxicology**

Credits: 3

Grading Method: Regular,  
Audit

*Recommended: BCHM462, BSCI440, or CHEM131. Also offered as: MIEH735. Credit only granted for: MIEH735 or NFSC735.*

*An introduction to basic concepts in toxicology in relation to toxic food contaminants and additives; both synthetic and naturally occurring. Focus on exposure routes, molecular targets and susceptible individuals. Also includes regulatory toxicology with respect food toxins.*

|      |                              |                   |
|------|------------------------------|-------------------|
| 0101 | Robert Buchanan, Paul Turner | Seats (Total: 20) |
|      | W 1:00pm - 3:45pm            | TYD 2108          |

**NFSC799****Master's Thesis Research**

Credits: 1-6

Grading Method: Regular

*First and second semesters. Credit in proportion to work done and results accomplished. Investigation in some phases of foodservice administration which may form the basis of a thesis. results in the form of a thesis.*

**Contact department for information to register for this course.**

**NFSC898****Pre-Candidacy Research**

Credits: 1-8

Grading Method: Regular

*First and second semesters. Oral reports on special topics or recently published research in nutrition. Distinguished scientists are invited as guest lecturers. A maximum of three credits allowed for the M.S.*

**Contact department for information to register for this course.**

**NFSC899****Doctoral Dissertation Research**

(Perm req)

Credits: 6

Grading Method: Regular

**Contact department for information to register for this course.**

**PEER311 Peer Education Mental Health & Wellness**

(Perm req)

Credits: 3

Grading Method: Regular

General Education: DVCC

*Prerequisite: Students must complete an interview before enrolling in this course. Restriction: Permission of instructor; and minimum cumulative GPA of 2.5. Credit only granted for: HLTH381 or PEER311. Formerly: HLTH 381. Additional information: Students are required to attend a 40-hour training the week before classes begin which will equip them with the information and tools necessary to provide outreach as early as the first week of the Fall classes. Some evening and weekend hours may be required.*

*Designed to train students to become Peer Educators who are responsible for presenting to members of the campus community about issues surrounding stress management, mental illness, appropriate on/off campus resources, stigma, body image, helping a friend in distress, and other issues related to mental health and wellness, including bystander intervention. Programming is done in classroom settings, residence halls, and at tables during special events.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Sarah Wilson      | Seats (Total: 16) |
|      | M 4:00pm - 5:00pm | JMZ 2206          |
|      | W 4:00pm - 6:00pm | JMZ 2206          |

**PEER312 Peer Education: Preventing Power-Based Violence**

(Perm req)

Credits: 3

Grading Method: Regular

General Education: DVCC

*Prerequisite: Students must complete an interview before enrolling in this course. Restriction: Permission of instructor; and minimum cumulative GPA of 2.5. Credit only granted for: HLTH382 or PEER312. Formerly: HLTH382. Additional information: Students are required to attend a 40-hour training the week before classes begin which will equip them with the information and tools necessary to provide outreach as early as the first week of the Fall classes. Some evening and weekend hours may be required.*

*Designed to train students to become Peer Educators who are responsible for presenting to members of the campus community about the complex dynamics surrounding issues of power-based personal violence. This includes: sexual assault, relationship violence, stalking, bystander intervention, consent, and rape culture. Students fully learn the on and off-campus resources for victim/survivors. Programming is done in classroom settings, residence halls, Greek life spaces, and at tables during special events.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | LaVonne Whitehead | Seats (Total: 15) |
|      | M 4:00pm - 5:00pm | JMZ 3120          |
|      | W 4:00pm - 6:00pm | JMZ 3120          |

**PEER313 Peer Education: Alcohol and Other Drugs Education**

(Perm req)

Credits: 3

Grading Method: Regular

General Education: DVCC

*Prerequisite: Students must complete an interview before enrolling in this course. Restriction: Permission of instructor; and minimum cumulative GPA of 2.5. Credit only granted for: HLTH380 or PEER313. Formerly: HLTH380. Additional information: Students are required to attend a 40-hour training the week before classes begin which will equip them with the information and tools necessary to provide outreach as early as the first week of the Fall classes. Some evening and weekend hours may be required.*

*Designed to train students to become Peer Educators who are responsible for presenting to members of the campus community about issues surrounding substance use, including (but not limited to) alcohol, marijuana, and various other drugs, providing information about campus services for those with substance use related issues, and educating students about other topics related to harm reduction strategies and promoting students' overall well-being, including bystander intervention. Programming is done in classroom settings, residence halls, and at tables during special events.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Madeleine Moore   | Seats (Total: 15) |
|      | M 4:00pm - 5:00pm | JMZ 1117          |
|      | W 4:00pm - 6:00pm | JMZ 1117          |

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#### **PEER314**

#### **Peer Education: Sexual Health & Wellness**

(Perm req)

Credits: 3

Grading Method: Regular

General Education: DVCC

*Prerequisite: Students must complete an interview before enrolling in this course. Restriction: Permission of instructor; and minimum cumulative GPA of 2.5. Credit only granted for: HLTH383 or PEER314. Formerly: HLTH383. Additional information: Students are required to attend a 40-hour training the week before classes begin which will equip them with the information and tools necessary to provide outreach as early as the first week of the Fall classes. Some evening and weekend hours may be required.*

*Designed to train students to become Peer Educators who are responsible for presenting to members of the campus community about issues surrounding Sexually Transmitted Infections, sexual health testing and screening, birth control options, healthy sexuality, consent and communication, condoms and other barrier protection, campus sexual health services, and other issues related to sexual well being including bystander intervention. Programming is done in classroom settings, residence halls, and at tables during special events.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Jenna Messman     | Seats (Total: 15) |
|      | M 4:00pm - 5:00pm | JMZ 2117          |
|      | W 4:00pm - 6:00pm | JMZ 2117          |

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#### **PEER318**

#### **CARE Peer Advocacy**

(Perm req)

Credits: 3

Grading Method: Regular

*Designed to train students to become Peer Advocates who are responsible for providing crisis and short-term support services for victims of sexual assault, relationship violence, stalking, sexual harassment and child abuse. Students will be meeting with clients and providing emotional support and resources (both on and off campus). During weekly classes, students will be trained in trauma-informed crisis intervention procedures that will not only help them assist clients during in-person sessions but will help them support clients via the crisis cell. Students will be expected to maintain the crisis cell (on a shared basis) throughout the semester as well as maintain 10 hours per week in the CARE office. In addition to maintaining the crisis cell and office hours, during the spring semester students will be tasked with working as a team in planning and executing a Take Back the Night event.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Christina Jay                                 | Seats (Total: 15) |
|      | W 5:00pm - 6:30pm                             | UHC 0170          |
|      | Contact instructor or department for details. |                   |

### **PEER319 CARE to Stop Violence Outreach Peer Program**

(Perm req)

Credits: 3      Grading Method: Regular

*A two semester, 6-credit course designed to train students in the knowledge, values and skills to build professional relationships and become leaders in community development related to the social justice issue of sexual misconduct with emphasis on the college campus environment.*

**Contact department for information to register for this course.**

### **PEER338 PEER LEADERSHIP AND EDUCATION**

Credits: 3      Grading Method: Regular

*PEER 338 is an interdisciplinary independent study designed to enhance the scope of learning around UHC peer education topics and train students to serve as leaders for those enrolled in first year peer courses, PEER31X and PEER32X. Second year peers are trained to facilitate intersectional and advanced health education dialogue, as well as serve in leadership roles for the course in which they were previously enrolled, PEER31X and PEER32X. Additionally, Peer Leader responsibilities include creating and implementing campus wide events to promote learning around the intersections between UHC peer education group topics (power-based violence, sexual health, alcohol and other drugs, stress and mental health). Peer Leaders will have different responsibilities based on the programmatic needs and goals of the semester.*

Prerequisite: Peer Leaders must have a minimum GPA of 2.5. Leaders are required to have completed Peer Education and Advanced Peer Education courses (PEER311/321; PEER312/322; PEER313/323; PEER314/324) with a minimum grade of B-. Repeatable up to 6 credits.

|      |  |                   |
|------|--|-------------------|
| 0101 | LaVonne Whitehead, Madeleine Moore,<br>Jenna Messman, Sarah Wilson | Seats (Total: 20) |
|      | M 5:00pm - 6:30pm  | JMZ 0120          |
|      | W 5:00pm - 6:00pm  | JMZ 0120          |

**PERS101 Elementary Persian I**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be native/fluent speaker of Persian.*

*Introduction to the alphabet, pronunciation patterns, greetings, basic structures, and other fundamentals, with emphasis on oral and aural skills.*

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0101 | Susan Moinfar         | Seats (Total: 18) |     |
|      | MWF 10:00am - 10:50am | HJP 2114          |     |
|      | Tu 10:00am - 10:50am  | HJP 2114          |     |
|      | Th 10:00am - 10:50am  | HJP 2114          | Lab |

**PERS211 Intermediate Conversation**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PERS102; or students who have taken courses with comparable content may contact the department. Recommended: Concurrent enrollment in PERS201.*

*Development of aural and oral skills in Persian. Various genres and registers of speech. Special focus on contemporary daily life, with use of up-to-date media sources.*

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0101 | Susan Moinfar         | Seats (Total: 15) |     |
|      | MWF 11:00am - 11:50am | HJP 2114          |     |
|      | Tu 11:00am - 11:50am  | HJP 2114          | Lab |

**PERS251 Modern Iran**

Credits: 3                      Grading Method: Regular,                      CORE: SH, D                      General Education: DSHS  
Pass-Fail, Audit

*General sociopolitical introduction to modern Iran from establishment of the Qajar dynasty in the late 18th century to the present day. Taught in English.*

Also offered as HIST219X. Credit granted for PERS251 or HIST219X.

|      |                      |                   |  |
|------|----------------------|-------------------|--|
| 0101 | Ida Meftahi          | Seats (Total: 30) |  |
|      | TuTh 3:30pm - 4:45pm | JMZ 2122          |  |

**PERS283 Iranian Cinema**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: DSHU

*Introduction to Iranian cinema, society, and culture. Taught in English*

Also offered as FILM298B. Credit granted for PERS283 or FILM283.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Ida Meftahi        | Seats (Total: 30) |
|      | MW 3:30pm - 4:45pm | KEY 0121          |

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**PERS301                      Advanced Persian I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PERS202; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not be native/fluent speaker of Persian.*

*Development of speaking, reading, writing, listening and cultural knowledge through wide variety of activities, especially reading.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Ali Abasi           | Seats (Total: 15) |
|      | MWF 1:00pm - 1:50pm | HJP 2114          |

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**PERS371                      Introduction to Persian Literature in Translation**

Credits: 3                      Grading Method: Regular,                      , D                      General Education: DSHU  
Pass-Fail, Audit

*Introduction to classical and modern canons of Persian literature in historical, esthetic, and social context. Taught in English.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Matthew Miller        | Seats (Total: 25) |
|      | TuTh 12:30pm - 1:45pm | JMZ 0205          |

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**PERS398Q                      Special Topics in Persian Studies; Social Issues in Contemporary Iran**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topic to be announced when course is offered. Taught in Persian*

Permission required. Taught in Persian.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Ali Abasi          | Seats (Total: 10) |
|      | F 9:00am - 11:45am | HJP 3117          |

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**PERS398R      Special Topics in Persian Studies; Persian for Professional Purposes**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topic to be announced when course is offered. Taught in Persian*

Taught in Persian.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Manizhe Galledari     | Seats (Total: 10) |
|      | TuTh 9:00am - 10:30am | HJP 3117          |

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**PERS399      Directed Study in Persian**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Directed study with faculty supervision.*

**Contact department for information to register for this course.**

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**PERS399C      Directed Study in Persian; Living/Learning in Persian House**

(Perm req)

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Directed study with faculty supervision.*

Prerequisite: Permission of department. Taught in Persian.

|      |   |                  |
|------|---|------------------|
| 0101 | Manizhe Galledari                             | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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**PERS399D      Directed Study in Persian; Capstone Research Project**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Directed study with faculty supervision.*

Permission required. Taught in Persian.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Manizhe Galledari  | Seats (Total: 10) |
|      | M 9:00am - 11:45am | HJP 3117          |

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**PERS498      Special Topics in Persian Studies**



(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Topic and language to be announced when offered.*

**Contact department for information to register for this course.**

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**PERS498N**

**Special Topics in Persian Studies; Masterpieces of Persian Literature Part 1**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Topic and language to be announced when offered.*

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|------|--------------------|-------------------|
| 0101 | Mohammad Bazargan  | Seats (Total: 15) |
|      | Tu 6:00pm - 8:30pm | JMZ 2122          |

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**PERS498Q**

**Special Topics in Persian Studies; Persian Literature in Society**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Topic and language to be announced when offered.*

Restriction: Permission of Department.

|      |                    |                  |
|------|--------------------|------------------|
| 0101 | Mohammad Bazargan  | Seats (Total: 3) |
|      | W 9:00am - 12:00pm | HJP 3117         |

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**PERS689**

**Special Topics in Persian Studies**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*In-depth analysis of a particular aspect of Persian studies. In Persian*

Contact department for permission to register.

**Contact department for information to register for this course.**

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**PERS689B**

**Special Topics in Persian Studies**

Credits: 3

Grading Method: Regular,  
Audit

*In-depth analysis of a particular aspect of Persian studies. In Persian*

**Contact department for information to register for this course.**

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[Click here for fuller PHIL course descriptions.](#)

**PHIL100 Introduction to Philosophy**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO      General Education: DSHU

*An introduction to the literature, problems, and methods of philosophy either through a study of some of the main figures in philosophic thought or through an examination of some of the central and recurring problems of philosophy.*

|      |   |   |            |
|------|---|---|------------|
| 0101 | Dan Moller<br>TuTh 11:00am - 11:50am<br>F 1:00pm - 1:50pm   | Seats (Total: 25)<br>MMH 1400<br>KEY 0103 | Discussion |
| 0102 | Dan Moller<br>TuTh 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 25)<br>MMH 1400<br>KEY 0100 | Discussion |
| 0103 | Dan Moller<br>TuTh 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>MMH 1400<br>KEY 0103 | Discussion |
| 0104 | Dan Moller<br>TuTh 11:00am - 11:50am<br>F 1:00pm - 1:50pm   | Seats (Total: 25)<br>MMH 1400<br>HBK 0105 | Discussion |
| 0105 | Dan Moller<br>TuTh 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 25)<br>MMH 1400<br>HBK 0103 | Discussion |
| 0106 | Dan Moller<br>TuTh 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>MMH 1400<br>HBK 0103 | Discussion |
| 0201 | Andrew Knoll<br>MW 10:00am - 10:50am<br>F 1:00pm - 1:50pm   | Seats (Total: 25)<br>TWS 1100<br>SYM 0209 | Discussion |
| 0202 | Andrew Knoll<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>TWS 1100<br>HBK 0105 | Discussion |

|      |   |                   |            |
|------|---|-------------------|------------|
| 0203 | Andrew Knoll  | Seats (Total: 25) |            |
|      | MW 10:00am - 10:50am                                  | TWS 1100          |            |
|      | F 12:00pm - 12:50pm                                   | HBK 1108          | Discussion |
| FC01 | Dan Moller  | Seats (Total: 29) |            |
|      | TuTh 6:00pm - 7:15pm                                  | KEY 0126          |            |
|      | <i>Restricted to students in Freshmen Connection.</i> |                   |            |

## PHIL140

### Contemporary Moral Issues

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO      General Education: DSHU

*The uses of philosophical analysis in thinking clearly about such widely debated moral issues as abortion, euthanasia, homosexuality, pornography, reverse discrimination, the death penalty, business ethics, sexual equality, and economic justice.*

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0101 | Heather Adair         | Seats (Total: 25) |            |
|      | TuTh 9:30am - 10:20am | SKN 0200          |            |
|      | F 10:00am - 10:50am   | MTH 0411          | Discussion |
| 0102 | Heather Adair         | Seats (Total: 25) |            |
|      | TuTh 9:30am - 10:20am | SKN 0200          |            |
|      | F 12:00pm - 12:50pm   | KEY 0103          | Discussion |
| 0103 | Heather Adair         | Seats (Total: 25) |            |
|      | TuTh 9:30am - 10:20am | SKN 0200          |            |
|      | F 1:00pm - 1:50pm     | EGR 3102          | Discussion |
| 0104 | Heather Adair         | Seats (Total: 25) |            |
|      | TuTh 9:30am - 10:20am | SKN 0200          |            |
|      | F 10:00am - 10:50am   | MTH 0103          | Discussion |
| 0105 | Heather Adair         | Seats (Total: 25) |            |
|      | TuTh 9:30am - 10:20am | SKN 0200          |            |
|      | F 12:00pm - 12:50pm   | EDU 3233          | Discussion |
| 0106 | Heather Adair         | Seats (Total: 25) |            |
|      | TuTh 9:30am - 10:20am | SKN 0200          |            |
|      | F 1:00pm - 1:50pm     | JMZ 0208          | Discussion |

|      |  |   |            |
|------|--|---|------------|
| 0201 | Andrew Knoll<br>MW 12:00pm - 12:50pm<br>F 10:00am - 10:50am  | Seats (Total: 25)<br>JMZ 0220<br>JMZ 0208 | Discussion |
| 0202 | Andrew Knoll<br>MW 12:00pm - 12:50pm<br>F 11:00am - 11:50am  | Seats (Total: 25)<br>JMZ 0220<br>KEY 1117 | Discussion |
| 0203 | Andrew Knoll<br>MW 12:00pm - 12:50pm<br>F 1:00pm - 1:50pm  | Seats (Total: 25)<br>JMZ 0220<br>SKN 0104 | Discussion |
| 0204 | Andrew Knoll<br>MW 12:00pm - 12:50pm<br>F 10:00am - 10:50am  | Seats (Total: 25)<br>JMZ 0220<br>JMZ 0205 | Discussion |
| 0205 | Andrew Knoll<br>MW 12:00pm - 12:50pm<br>F 11:00am - 11:50am  | Seats (Total: 25)<br>JMZ 0220<br>KEY 0116 | Discussion |
| 0206 | Andrew Knoll<br>MW 12:00pm - 12:50pm<br>F 1:00pm - 1:50pm  | Seats (Total: 25)<br>JMZ 0220<br>ASY 3221 | Discussion |
| FC01 | Andrew Knoll<br>MW 6:00pm - 7:15pm<br><br><i>Restricted to students in Freshmen Connection.</i>      | Seats (Total: 29)<br>PLS 1113             |            |
| FC02 | Sungwon Woo<br>TuTh 6:00pm - 7:15pm<br><br><i>Restricted to students in Freshmen Connection.</i>     | Seats (Total: 29)<br>PHY 4221             |            |
| FC03 | Charles Barclay<br>TuTh 7:30pm - 8:45pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 29)<br>PHY 4221             |            |
| FC04 | Kalewold Kalewold<br>MW 3:00pm - 4:15pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 29)<br>HBK 0115             |            |

|      |   |                   |
|------|---|-------------------|
| FC05 | Julius Schoenherr                                     | Seats (Total: 29) |
|      | MW 7:30pm - 8:45pm                                    | PLS 1113          |
|      | <i>Restricted to students in Freshmen Connection.</i> |                   |

**PHIL170**

**Introduction to Logic**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: MS      General Education: FSAR

*Development of analytical reasoning skills through study of formal logics, reasoning systems, and fallacious inference patterns.*

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Eric Pacuit          | Seats (Total: 25) |            |
|      | MW 11:00am - 11:50am | ESJ 0202          |            |
|      | Th 9:30am - 10:20am  | JMZ 0103          | Discussion |
| 0102 | Eric Pacuit          | Seats (Total: 25) |            |
|      | MW 11:00am - 11:50am | ESJ 0202          |            |
|      | Th 11:00am - 11:50am | JMZ 0125          | Discussion |
| 0103 | Eric Pacuit          | Seats (Total: 25) |            |
|      | MW 11:00am - 11:50am | ESJ 0202          |            |
|      | Th 12:30pm - 1:20pm  | EDU 1107          | Discussion |
| 0104 | Eric Pacuit          | Seats (Total: 25) |            |
|      | MW 11:00am - 11:50am | ESJ 0202          |            |
|      | F 12:00pm - 12:50pm  | SKN 0104          | Discussion |
| 0105 | Eric Pacuit          | Seats (Total: 25) |            |
|      | MW 11:00am - 11:50am | ESJ 0202          |            |
|      | F 1:00pm - 1:50pm    | KEY 0102          | Discussion |
| 0106 | Eric Pacuit          | Seats (Total: 25) |            |
|      | MW 11:00am - 11:50am | ESJ 0202          |            |
|      | F 10:00am - 10:50am  | CSI 2118          | Discussion |
| 0107 | Eric Pacuit          | Seats (Total: 25) |            |
|      | MW 11:00am - 11:50am | ESJ 0202          |            |
|      | F 1:00pm - 1:50pm    | EGR 3114          | Discussion |

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0108 | Eric Pacuit          | Seats (Total: 25) |            |
|      | MW 11:00am - 11:50am | ESJ 0202          |            |
|      | F 10:00am - 10:50am  | LEF 2166          | Discussion |
| 0109 | Eric Pacuit          | Seats (Total: 25) |            |
|      | MW 11:00am - 11:50am | ESJ 0202          |            |
|      | F 12:00pm - 12:50pm  | KEY 0116          | Discussion |

## PHIL209A

### Philosophical Issues; Bioethics: Regulating Right and Wrong

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSHU, DSSP

*An examination of selected philosophical issues of general interest.*

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0101 | Samuel Kerstein       | Seats (Total: 25) |            |
|      | TuTh 9:30am - 10:20am | TWS 0310          |            |
|      | F 10:00am - 10:50am   | SQH 2120          | Discussion |
| 0102 | Samuel Kerstein       | Seats (Total: 25) |            |
|      | TuTh 9:30am - 10:20am | TWS 0310          |            |
|      | F 11:00am - 11:50am   | EDU 3236          | Discussion |
| 0103 | Samuel Kerstein       | Seats (Total: 25) |            |
|      | TuTh 9:30am - 10:20am | TWS 0310          |            |
|      | F 1:00pm - 1:50pm     | ARC 1103          | Discussion |

## PHIL209E

### Philosophical Issues; Happiness

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSHU, SCIS

*An examination of selected philosophical issues of general interest.*

This course examines the nature of happiness and its role in the good human life through the lens of both philosophy and psychology.

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Rachel Singpurwalla  | Seats (Total: 25) |            |
|      | TuTh 2:00pm - 2:50pm | TWS 0310          |            |
|      | F 10:00am - 10:50am  | SQH 1107          | Discussion |

|      |  |   |            |
|------|--|---|------------|
| 0102 | Rachel Singpurwalla<br>TuTh 2:00pm - 2:50pm<br>F 11:00am - 11:50am | Seats (Total: 25)<br>TWS 0310<br>TYD 2110 | Discussion |
| 0103 | Rachel Singpurwalla<br>TuTh 2:00pm - 2:50pm<br>F 1:00pm - 1:50pm   | Seats (Total: 25)<br>TWS 0310<br>EDU 3236 | Discussion |

## PHIL209I

### Philosophical Issues: Spooky Action at a Distance: Where Physics meets Metaphysics

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO      General Education: DSHU, SCIS

Einstein believed physics should represent a "reality in space and time, free from spooky action at a distance" and worried that quantum theory failed that test. This course will investigate whether Einstein was right.

|      |  |   |            |
|------|--|---|------------|
| 0101 | Allen Stairs<br>MW 12:00pm - 12:50pm<br>F 10:00am - 10:50am  | Seats (Total: 25)<br>TYD 2109<br>SYM 0209 | Discussion |
| 0102 | Allen Stairs<br>MW 12:00pm - 12:50pm<br>F 12:00pm - 12:50pm  | Seats (Total: 25)<br>TYD 2109<br>PLS 1113 | Discussion |
| 0103 | Allen Stairs<br>MW 12:00pm - 12:50pm<br>F 1:00pm - 1:50pm  | Seats (Total: 25)<br>TYD 2109<br>PLS 1113 | Discussion |
| FCH1 | Allen Stairs<br>M 3:00pm - 4:15pm<br>Class time/details on ELMs<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 35)<br>WDS 1114<br>ONLINE   |            |

## PHIL209N

### Know Thyself: Wisdom Through Cognitive Science

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO      General Education: DSHS, DSHU, SCIS

How do we improve our decision-making and overcome our weaknesses and biases? Theory and data from cognitive science regarding these shortcomings will be reviewed, and strategies for addressing them proposed. Students will consider how the findings impact various facets of human life.

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Peter Carruthers     | Seats (Total: 25) |            |
|      | MW 10:00am - 10:50am | BPS 1250          |            |
|      | F 10:00am - 10:50am  | SQH 1105          | Discussion |
| 0102 | Peter Carruthers     | Seats (Total: 25) |            |
|      | MW 10:00am - 10:50am | BPS 1250          |            |
|      | F 12:00pm - 12:50pm  | ASY 3211          | Discussion |
| 0103 | Peter Carruthers     | Seats (Total: 25) |            |
|      | MW 10:00am - 10:50am | BPS 1250          |            |
|      | F 1:00pm - 1:50pm    | EDU 2102          | Discussion |
| 0104 | Peter Carruthers     | Seats (Total: 25) |            |
|      | MW 10:00am - 10:50am | BPS 1250          |            |
|      | F 10:00am - 10:50am  | EDU 2119          | Discussion |
| 0105 | Peter Carruthers     | Seats (Total: 25) |            |
|      | MW 10:00am - 10:50am | BPS 1250          |            |
|      | F 12:00pm - 12:50pm  | EDU 3236          | Discussion |
| 0106 | Peter Carruthers     | Seats (Total: 25) |            |
|      | MW 10:00am - 10:50am | BPS 1250          |            |
|      | F 1:00pm - 1:50pm    | SQH 2120          | Discussion |

## PHIL236

### Philosophy of Religion

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO      General Education: DSHU

*Also offered as: RELS236. Credit only granted for: PHIL236 or RELS236.*

*A philosophical study of some of the main problems of religious thought the nature of religious experience, the justification of religious belief, the conflicting claims of religion and science, and the relation between religion and morality.*

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0101 | Sungwon Woo           | Seats (Total: 25) |            |
|      | TuTh 12:30pm - 1:20pm | TWS 0310          |            |
|      | F 10:00am - 10:50am   | HBK 0109          | Discussion |
| 0102 | Sungwon Woo           | Seats (Total: 25) |            |
|      | TuTh 12:30pm - 1:20pm | TWS 0310          |            |
|      | F 12:00pm - 12:50pm   | HBK 0123          | Discussion |



|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0103 | Sungwon Woo           | Seats (Total: 25) |            |
|      | TuTh 12:30pm - 1:20pm | TWS 0310          |            |
|      | F 1:00pm - 1:50pm     | HBK 0123          | Discussion |

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**PHIL245 Political and Social Philosophy I**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO      General Education: DSHU

*A critical examination of such classical political theories as those of Plato, Hobbes, Locke, Rousseau, Mill, Marx, and such contemporary theories as those of Hayek, Rawls, and recent Marxist thinkers.*

|      |                            |                   |            |
|------|----------------------------|-------------------|------------|
| 0101 | Brian Kogelmann            | Seats (Total: 30) |            |
|      | MW 1:00pm - 1:50pm         | ASY 3211          |            |
|      | Class time/details on ELMs | ONLINE            | Discussion |

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**PHIL250H Philosophy of Science I**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO      General Education: DSHU

*Main issues in the philosophy of science. Special attention to the ways scientific developments have influenced the philosophy of science and how philosophy of science has influenced scientific progress. Case studies of selected historical episodes in which science and philosophy have interacted significantly, focusing on the physical, biological, or social sciences.*

|      |                       |                   |  |
|------|-----------------------|-------------------|--|
| 0101 | Harjit Bhogal         | Seats (Total: 20) |  |
|      | TuTh 12:30pm - 1:45pm | SYM 0209          |  |

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**PHIL269M Special Topics in Study Abroad II; Moral Philosophy**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**PHIL269Y Special Topics in Study Abroad II; Truth & Reality**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**PHIL308T****Studies in Contemporary Philosophy; A Philosopher's Toolkit**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Problems, issues, and points of view of current interest in philosophy.*

An examination of how formal logic captures (and sometimes defies) logical intuitions, and how it supplies useful tools for clarifying a range of different philosophical problems, from issues of meaning, to issues of ontology and scientific reduction. NOTE: this course presupposes that you have already had some exposure to formal logic.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Georges Rey          | Seats (Total: 25) |
|      | TuTh 2:00pm - 3:15pm | CHE 2145          |

**PHIL308W****Studies in Contemporary Philosophy; World Philosophy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Problems, issues, and points of view of current interest in philosophy.*

Also offered as RELS319W. Credit granted for PHIL308W or RELS319W. This course examines five philosophical traditions: Platonism, Islam, Mexico (Aztec), Yoruba, and Confucianism.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | James Maffie           | Seats (Total: 25) |
|      | TuTh 11:00am - 12:15pm | SKN 1112          |

**PHIL308X****Studies in Contemporary Philosophy; Philosophy and Time Travel**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Problems, issues, and points of view of current interest in philosophy.*

Examines the philosophical issues surrounding the paradoxes of time travel. Several solutions are considered, ranging from classical consistency conditions to multiverse theories. Materials include works of philosophy and physics, and time travel narratives from science fiction short stories and movies.

|   |                            |                   |
|---|----------------------------|-------------------|
| SG91  | Lucas Dunlap               | Seats (Total: 40) |
|   | Class time/details on ELMs | ONLINE            |
| <i>Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email <a href="mailto:usgbiosci@umd.edu">usgbiosci@umd.edu</a> for permission.</i> |                            |                   |

**PHIL310****Ancient Philosophy**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Prerequisite: Must have completed 6 credits in philosophy or classics.*

*A study of the origins and development of philosophy and science in ancient Greece, focusing on the pre-Socratics, Socrates, Plato, and Aristotle.*

|      |                        |                   |            |
|------|------------------------|-------------------|------------|
| 0101 | Rachel Singpurwalla    | Seats (Total: 25) |            |
|      | TuTh 11:00am - 11:50am | TWS 1100          |            |
|      | M 10:00am - 10:50am    | LEF 1220          | Discussion |
| 0102 | Rachel Singpurwalla    | Seats (Total: 25) |            |
|      | TuTh 11:00am - 11:50am | TWS 1100          |            |
|      | M 12:00pm - 12:50pm    | LEF 1201          | Discussion |
| 0103 | Rachel Singpurwalla    | Seats (Total: 25) |            |
|      | TuTh 11:00am - 11:50am | TWS 1100          |            |
|      | M 1:00pm - 1:50pm      | LEF 1201          | Discussion |

**PHIL328A****Studies in the History of Philosophy; Kant's Copernican Revolution in Philosophy**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Problems, issues, and points of view in the history of philosophy.*

Kant remarked that Hume's attack on metaphysics awoke him from his "dogmatic slumber" and prompted a "Copernican Revolution" in philosophy, with epistemology supplanting metaphysics as First Philosophy. We will examine this revolution in Kant's Prolegomena and Critique of Pure Reason, prefacing our study with the work that started it all: Hume's Enquiry Concerning Human Understanding.

|      |                            |                   |            |
|------|----------------------------|-------------------|------------|
| 0101 | Andrew Fyfe                | Seats (Total: 25) |            |
|      | MW 1:00pm - 1:50pm         | ASY 3221          |            |
|      | Class time/details on ELMs | ONLINE            | Discussion |

**PHIL332****Philosophy of Beauty**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Prerequisite: 3 courses in PHIL; or permission of ARHU-Philosophy department.*

*Philosophical theories, historical and contemporary, of beauty, sublimity, and other aesthetic qualities, of aesthetic experience, and of aesthetic judgment.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | John Brown            | Seats (Total: 25) |
|      | TuTh 9:30am - 10:45am | SKN 1112          |

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**PHIL338A      Studies in Value Theory; Philosophy of Fiction**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Problems, issues and points of view in ethics, aesthetics, political philosophy and related areas.*

A philosophical examination of the phenomenon of fiction. Topics include the nature of fiction, the status of fictional entities (both what such the notion of truth in fiction, and the character of our emotional responses to fiction).

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Alexey Aliev       | Seats (Total: 30) |
|      | MW 3:30pm - 4:45pm | JMZ 1224          |

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**PHIL341      Ethical Theory**

Credits: 3                      Grading Method: Regular

*Prerequisite: 6 credits in PHIL courses.*

*A critical examination of classical and contemporary systems of ethics, such as those of Aristotle, Kant, Mill, and Rawls.*

Prerequisite: 6 credit hours in philosophy.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Chris Meyers         | Seats (Total: 25) |
|      | TuTh 3:30pm - 4:45pm | JMZ 2207          |

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**PHIL360      Philosophy of Language**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 2 courses in PHIL; and (PHIL170 or PHIL370). Or permission of ARHU-Philosophy department. Also offered as: LING350. Credit only granted for: LING350 or PHIL360.*

*An inquiry into the nature and function of language and other forms of symbolism.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Alexander Williams    | Seats (Total: 30) |
|      | TuTh 9:30am - 10:45am | SKN 1115          |

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**PHIL362      Theory of Knowledge**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 6 credits in PHIL courses; and PHIL170. Formerly: PHIL462.*

*Some central topics in the theory of knowledge, such as perception, memory, knowledge, and belief, skepticism, other minds, truth, and the problems of induction.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Daniel Blair         | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm | SKN 1115          |

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**PHIL370                      Symbolic Logic**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHIL170 or CMSC250; or permission of ARHU-Philosophy department. Credit only granted for: PHIL271, PHIL370, or PHIL371.*

*A review of propositional and predicate logic and related topics and an introduction to the semantics and metatheory of first-order logic.*

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|------|--------------------|-------------------|
| 0101 | John Horty         | Seats (Total: 25) |
|      | MW 2:00pm - 3:15pm | JMZ 0103          |

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**PHIL386                      Experiential Learning**

(Perm req)

Credits: 6                      Grading Method: Regular,  
Pass-Fail

*Restriction: Permission of ARHU-Philosophy department; and junior standing or higher.*

Consult Director of Undergraduate Studies: R. Singpurwalla. Prerequisites: 12 credit hours of philosophy and 3.0 GPA. Carries no credit toward philosophy major.

**Contact department for information to register for this course.**

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**PHIL408M                      Topics in Contemporary Philosophy; Philosophy of Music**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*An intensive examination of contemporary problems and issues. Source material will be selected from recent books and articles.*

An examination of philosophical questions raised by music, such as: What is a musical work? What is a good performance? What does music express? Can music evoke full-fledged emotions? What is musical understanding? What is the role of imagination in musical appreciation? What is the importance of form?

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Jerrold Levinson   | Seats (Total: 25) |
|      | MW 2:00pm - 3:15pm | SKN 1115          |

**PHIL418A Topics in Epistemology/Metaphysics; Models and Simulations in Philosophy**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*An intensive examination of contemporary problems and issues in epistemology or metaphysics. Source material will be selected from recent books and articles.*

How can cooperative institutions form out of the "state of nature"? How can groups of scientists come to know so much about nature? In the last sixty years, researchers have use mathematical and computer models to answer such questions. This class will explore computer simulation of such phenomena and the theory behind it. No background in programming necessary.

|      |                            |                        |
|------|----------------------------|------------------------|
| 0101 | Eric Pacuit                | Seats (Total: 25)      |
|      | MW 1:00pm - 1:50pm         | SKN 1115               |
|      | Class time/details on ELMs | ONLINE      Discussion |

**PHIL428B Topics in the History of Philosophy; Classical Arabic Philosophy by Muslims and Jews**

Credits: 3      Grading Method: Regular,      General Education: DSHU  
Pass-Fail, Audit

Also offered as JWST429B. Credit granted for PHIL428B or JWST429B. This course is an introduction to classical Arabic philosophy from the ninth to the thirteenth centuries of the Christian era. But unlike most courses on this topic, we shall not be reading philosophy solely by Muslims but also by Jews (and maybe Christians). In a sense, the course is best described by the title of the book by Dimitri Gutas, "Greek Thought, Arabic Culture".

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Charles Manekin   | Seats (Total: 30) |
|      | M 3:30pm - 6:00pm | KEY 0123          |

**PHIL428K Topics in the History of Philosophy; Kantian Ethics**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

This course explores Immanuel Kant's moral theory through a careful reading of his Groundwork of the Metaphysics of Morals. Questions we investigate include: does Kant have a plausible view of moral worth?; and does he succeed in pinpointing the supreme principle of morality?

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Samuel Kerstein        | Seats (Total: 25) |
|      | TuTh 11:00am - 12:15pm | SQH 1119          |

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**PHIL428M      Topics in the History of Philosophy; Moses Maimonides' Religious and Ethical Thought**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: DSHU

Also offered as JWST459M. Credit granted for PHIL428M or JWST459M. A seminar in the philosophy of Moses Maimonides, the great medieval Jewish religious thinker. The course will focus on the disputed questions in the interpretation of Maimonides, such as his views on Divine attributes, creation, providence, prophecy, the rationale of the Law, moral and intellectual perfection, and the limitations of human knowledge. No knowledge of Hebrew or Arabic is required.

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|------|--------------------|-------------------|
| 0101 | Charles Manekin    | Seats (Total: 15) |
|      | Th 2:00pm - 4:30pm | SQH 4116          |

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**PHIL428N      Topics in the History of Philosophy; The Aztecs: Human Sacrifice and Conquest**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

Also offered as HIST429N, LASC448J, and RELS419J. Credit granted for HIST429N LASC448J, PHIL428N, or RELS419J. We examine the philosophical worldview and daily life of the Aztecs as well as arguments concerning the legitimacy of the Conquest.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | James Maffie         | Seats (Total: 40) |
|      | TuTh 3:30pm - 4:45pm | KEY 1117          |

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**PHIL454      Philosophy of Space and Time**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 6 credits in PHIL courses.*

*A non-technical investigation of philosophical issues in the foundation of physics. Topics may include traditional philosophical problems of space and time, metaphysical issues about the nature of particles and fields, and philosophical problems associated with the introduction of probability into physics, such as the problem of irreversibility in thermodynamics and the problem of objectivity in quantum theory.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Michael Silberstein | Seats (Total: 30) |
|      | MW 2:00pm - 3:15pm  | HBK 1108          |

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**PHIL469Y      Study Abroad Special Topics IV; Philosophy of Science II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**PHIL498F      Topical Investigations; Topical Investigation**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

Prerequisite: Two courses in philosophy or permission of the department.

**Contact department for information to register for this course.**

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**PHIL498G      Topical Investigations; Topical Investigation**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

Prerequisite: Two courses in philosophy or permission of the department.

**Contact department for information to register for this course.**

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**PHIL660      Metaphysics, Mind, and Language**

Credits: 3

Grading Method: Regular,  
Audit

*A basic course on selected issues in metaphysics, philosophy of mind, and philosophy of language for beginning graduate students, covering a number of topics in depth, to provide a springboard for further study and research in the area.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Georges Rey       | Seats (Total: 10) |
|      | W 1:00pm - 3:30pm | SKN 1116          |

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**PHIL688T      Selected Problems in Philosophy; Introduction to Semantics**

Credits: 3

Grading Method: Regular,  
Audit

Also offered as LING660. Credit granted for LING660 or PHIL688T.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Alexander Williams  | Seats (Total: 15) |
|      | MW 9:00am - 10:15am | MMH 1108B         |

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**PHIL788G      Research in Philosophy; Research in Philosophy**

(Perm req)

Credits: 1-6

Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**



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**PHIL788I      Research in Philosophy; Research in Philosophy**

(Perm req)

Credits: 1-6      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**PHIL799      Master's Thesis Research; Masters Thesis Research**

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**PHIL848A      Seminar in Ethics; Nations and Nationalism**

Credits: 3      Grading Method: Regular,  
Audit

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Christopher Morris | Seats (Total: 15) |
|      | Th 1:00pm - 3:30pm | SKN 1116          |

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**PHIL858D      Seminar in Logic and Philosophy of Sciences**

Credits: 3      Grading Method: Regular,  
Audit

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Aidan Lyon         | Seats (Total: 15) |
|      | Tu 4:30pm - 7:00pm | SKN 1116          |

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**PHIL878D      Seminar in Cognitive Studies**

Credits: 3-9      Grading Method: Regular,  
Audit

*Methodology and research in various disciplines involved in cognitive studies.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Peter Carruthers  | Seats (Total: 15) |
|      | M 3:00pm - 5:30pm | SKN 1116          |

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**PHIL888      Professional Mentoring for Doctoral Students**

Credits: 1-3      Grading Method: Sat-Fail

*Work with a faculty advisor on various aspects of professional development.*

**Contact department for information to register for this course.**

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**PHIL889 Pedagogical Mentoring for Doctoral Students**

(Perm req)

Credits: 1-3      Grading Method: Sat-Fail

*Work with a faculty advisor to develop and improve pedagogical skills.*

**Contact department for information to register for this course.**

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**PHIL898 Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

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**PHIL899 Doctoral Dissertation Research; Doctoral Dissertation Research**

(Perm req)

Credits: 6      Grading Method: Regular

**Contact department for information to register for this course.**

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**PHSC Public Health Science**

**Fall 2017**

**PHSC389 Independent Research Study in Public Health Science**

(Perm req)

Credits: 1-3      Grading Method: Regular

*This independent research-based experience will provide the opportunity for students to work with individual research mentors in the area of Public Health Science. Students must identify a mentor prior to obtaining departmental permission.*

|   |                  |                   |
|---|------------------|-------------------|
| 0101  | Kristin Cipriani | Seats (Total: 15) |
| Contact instructor or department for details. |                  |                   |
| SG91  | Kristin Cipriani | Seats (Total: 15) |
| Contact instructor or department for details. |                  |                   |

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**PHSC399 Public Health Science Internship**

Credits: 1-6      Grading Method: Regular

*The Public Health Science internship will enable students to gain practical experience under conditions conducive to academic, research and professional development. The internship is a time-limited, supervised period of public health professional experience carried out in a related professional organization or research setting.*

|   |             |                   |
|---|-------------|-------------------|
| 0101  | Nancy Smith | Seats (Total: 15) |
| Contact instructor or department for details. |             |                   |

|      |   |                   |
|------|---|-------------------|
| SG91 | Nancy Smith                                   | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |

## PHSC401

### History of Public Health

Credits: 3                      Grading Method: Regular

*Restriction: Must be in Public Health Science program; and must have earned a minimum of 45 credits. Credit only granted for: PHSC401 or SPHL401. Formerly: SPHL401.*

*Emphasis is on the history of public health in the Western world from antiquity to the present. Also examines the influence of public health developments as they relate to the Western world as well as throughout diverse cultures and societies across the globe. Analysis focuses on the interaction among Western and non-Western cultures with respect to health issues, including science, policies, prevention and treatment.*

|      |                     |                   |            |  |
|------|---------------------|-------------------|------------|--|
| 0101 | David Cantor        | Seats (Total: 20) |            |  |
|      | MW 5:00pm - 5:50pm  | SPH 1312          |            |  |
|      | M 9:00am - 9:50am   | SPH 0307          | Discussion |  |
| 0102 | David Cantor        | Seats (Total: 20) |            |  |
|      | MW 5:00pm - 5:50pm  | SPH 1312          |            |  |
|      | M 10:00am - 10:50am | PLS 1158          | Discussion |  |
| 0103 | David Cantor        | Seats (Total: 20) |            |  |
|      | MW 5:00pm - 5:50pm  | SPH 1312          |            |  |
|      | M 11:00am - 11:50am | PLS 1172          | Discussion |  |
| 0104 | David Cantor        | Seats (Total: 20) |            |  |
|      | MW 5:00pm - 5:50pm  | SPH 1312          |            |  |
|      | M 12:00pm - 12:50pm | SPH 0301          | Discussion |  |
| 0105 | David Cantor        | Seats (Total: 20) |            |  |
|      | MW 5:00pm - 5:50pm  | SPH 1312          |            |  |
|      | M 1:00pm - 1:50pm   | SPH 0301          | Discussion |  |
| 0106 | David Cantor        | Seats (Total: 20) |            |  |
|      | MW 5:00pm - 5:50pm  | SPH 1312          |            |  |
|      | M 2:00pm - 2:50pm   | SPH 0305          | Discussion |  |
| 0107 | David Cantor        | Seats (Total: 20) |            |  |
|      | MW 5:00pm - 5:50pm  | SPH 1312          |            |  |
|      | M 3:00pm - 3:50pm   | SPH 0305          | Discussion |  |

|      |                    |                   |
|------|--------------------|-------------------|
| SG91 | Eric Boyle         | Seats (Total: 35) |
|      | Th 6:00pm - 8:30pm | BLD3 4203         |

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## PHSC402      **Public Health Emergency Preparedness**

Credits: 3                      Grading Method: Regular

*Prerequisite: Minimum grade of C- in EPIB300 and EPIB301. Restriction: Must be in Public Health Science program; and junior standing or higher. Credit only granted for: PHSC402 or SPHL402. Formerly: SPHL402.*

*Intensive introduction to public health emergency preparedness. Course will provide students with an overview of the role of public health in planning, prevention, preparedness, response, and recovery from disasters, both manmade and natural.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Marilyn London     | Seats (Total: 30) |
|      | W 2:00pm - 4:30pm  | WDS 1130          |
| SG91 | Marilyn London     | Seats (Total: 30) |
|      | W 9:00am - 11:30am | BLD3 2203         |

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## PHSC412      **Food, Policy, and Public Health**

Credits: 3                      Grading Method: Regular

*Prerequisite: Must have completed HLSA300 with a C- or higher. Recommended: NFSC100. Restriction: Must be in Public Health Science program; and junior standing or higher. Credit only granted for: PHSC412 or SPHL412. Formerly: SPHL412.*

*Broad overview of the impact of food and food policy on public health. Course covers topics such as access to food, food systems, influence of food policies on the individual, the cost of food, influences on food selection, food safety risks and responses, nutrition-related health challenges, and a comparison of US food/nutrition issues with those of other nations.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Christopher Waldrop | Seats (Total: 30) |
|      | Th 5:00pm - 7:30pm  | SPH 0307          |

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## PHSC415      **Essentials of Public Health Biology: The Cell, The Individual, and Disease**

Credits: 3                      Grading Method: Regular

*Prerequisite: Minimum grade of C- in BSCI202. Recommended: BSCI223. Restriction: Must be in Public Health Science program; and junior standing or higher. Credit only granted for: PHSC415, SPHL415 or SPHL498J. Formerly: SPHL415 and SPHL498J.*

*Presents the basic scientific and biomedical concepts of modern public health problems and explores in depth mechanisms and models of the major categories of disease. The biologic principles presented are foundations to public health disease prevention, control, or management programs.*

|      |  |   |            |
|------|--|---|------------|
| 0101 | Jessica O'Hara<br>MW 1:00pm - 1:50pm<br>W 2:00pm - 2:50pm  | Seats (Total: 20)<br>ESJ 2208<br>PLS 1172 | Discussion |
| 0102 | Jessica O'Hara<br>MW 1:00pm - 1:50pm<br>W 3:00pm - 3:50pm  | Seats (Total: 20)<br>ESJ 2208<br>PLS 1176 | Discussion |
| 0103 | Jessica O'Hara<br>MW 1:00pm - 1:50pm<br>W 4:00pm - 4:50pm  | Seats (Total: 20)<br>ESJ 2208<br>PLS 1176 | Discussion |
| 0104 | Jessica O'Hara<br>MW 1:00pm - 1:50pm<br>F 10:00am - 10:50am  | Seats (Total: 20)<br>ESJ 2208<br>PLS 1164 | Discussion |
| 0105 | Jessica O'Hara<br>MW 1:00pm - 1:50pm<br>F 11:00am - 11:50am  | Seats (Total: 20)<br>ESJ 2208<br>PLS 1168 | Discussion |
| 0106 | Jessica O'Hara<br>MW 1:00pm - 1:50pm<br>F 12:00pm - 12:50pm  | Seats (Total: 20)<br>ESJ 2208<br>PLS 1176 | Discussion |
| SG91 | Jessica O'Hara<br>Tu 9:30am - 12:00pm<br><br><i>Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll.</i> | Seats (Total: 35)<br>BLD3 4216            |            |

## PHSC426

## Climate Change and Health

Credits: 3

Grading Method: Regular

*Prerequisite: Minimum grade of C- in MIEH300. Restriction: Must be in Public Health Science program.*

*Climate change is characterized by increasing global temperatures, greater rainfall variability, more frequent natural disasters, and rising sea levels. These environmental changes pose significant risks to population health by affecting air quality, the availability of safe drinking water, infectious disease transmission, food security, and access to housing, land, and livelihoods. This course will examine the relationship between climate change and human health, focusing on how climate change vulnerability varies between populations by geographic, demographic, and socioeconomic characteristics.*

|      |                    |                   |
|------|--------------------|-------------------|
| SG91 | Heather Randell    | Seats (Total: 30) |
|      | Tu 5:15pm - 7:45pm | BLD3 3226         |

## PHSC497

### Public Health Science Capstone

Credits: 3

Grading Method: Regular

General Education: DSSP

*Prerequisite: Students must have completed the professional writing requirement, MIEH300 and EPIB300, all with a C- or higher. Restriction: Must have earned a minimum of 100 credits; and must be in Public Health Science program; and must be in the final semester of undergraduate study. Credit only granted for: SPHL498F or PHSC497. Formerly: SPHL498F.*

*The capstone course is the culminating experience for Public Health Science students and must be taken only in the final semester of study. The Public Health Science capstone course is designed to challenge students to integrate the five core areas of public health in investigating, researching and addressing public health issues. Throughout the semester, students will be required to evaluate, analyze and synthesize scholarly works as they research and propose solutions to a variety of public health issues. By the conclusion of this research based course, students will understand how the various public health perspectives can combine in addressing and informing public health practices.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Chandria Jones  | Seats (Total: 20) |
|      | M 5:00pm - 7:30pm   | PLS 1158          |
| 0301 | Eric Boyle  | Seats (Total: 20) |
|      | Tu 4:00pm - 6:30pm  | ATL 2316          |
| 0501 | Blair Coleman   | Seats (Total: 20) |
|      | W 5:00pm - 7:30pm   | SPH 0303          |
|      | <i>This thesis section will focus on addictive behaviors.</i> |                   |
| 0601 | Shaun Edmonds   | Seats (Total: 20) |
|      | W 6:00pm - 8:30pm   | ATL 2416          |
| SG91 | Alyssa Brooks   | Seats (Total: 15) |
|      | Tu 5:15pm - 7:45pm  | BLD3 3225         |

**PHYS102**

**Physics of Music**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSNL (if  
taken with PHYS103)

*Prerequisite: Must have math eligibility of MATH107 or higher. Credit only granted for: PHYS102 and PHYS499C. Additional information: CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS103.*

*A study of the physical basis of sound, acoustical properties of sound, the human ear and voice, reproduction of sound, electronic music, acoustical properties of auditoriums, and other selected topics.*

|      |                       |                    |
|------|-----------------------|--------------------|
| 0101 | Alan Peel             | Seats (Total: 150) |
|      | TuTh 9:30am - 10:45am | PHY 1410           |

**PHYS103**

**Physics of Music Laboratory**

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit

*Optional laboratory to accompany PHYS 102. Laboratory experiments, including the velocity of sound, sound quality and wave shape, traveling and standing waves, fourier synthesis and analysis, musical synthesizer, psychoacoustics, and audio equipment.*

|      |   |                   |     |
|------|---|-------------------|-----|
| 0101 | Andris Skuja                                | Seats (Total: 18) |     |
|      | Th 11:00am - 12:50pm                        | PHY 3220          | Lab |
| 0201 | Andris Skuja                                | Seats (Total: 18) |     |
|      | Th 1:00pm - 2:50pm                          | PHY 3220          | Lab |
| 0301 | Andris Skuja                                | Seats (Total: 18) |     |
|      | Th 3:30pm - 5:20pm                          | PHY 3220          | Lab |
| 0401 | Andris Skuja                                | Seats (Total: 18) |     |
|      | F 10:00am - 11:50am                         | PHY 3220          | Lab |
|      | <i>Recommended for First-Year students.</i> |                   |     |
| 0501 | Andris Skuja                                | Seats (Total: 18) |     |
|      | F 12:00pm - 1:50pm                          | PHY 3220          | Lab |
| 0601 | Andris Skuja                                | Seats (Total: 18) |     |
|      | F 2:00pm - 3:50pm                           | PHY 3220          | Lab |

|      |                   |                   |     |
|------|-------------------|-------------------|-----|
| 0701 | Andris Skuja      | Seats (Total: 18) |     |
|      | W 3:00pm - 5:00pm | PHY 3220          | Lab |
| 0801 | Andris Skuja      | Seats (Total: 18) |     |
|      | W 1:00pm - 2:50pm | PHY 3220          | Lab |

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## PHYS105      **Physics for Decision Makers: Global Energy Crisis**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: PS      General Education: DSNS, SCIS

*This marquee course will consider the global energy crisis from a scientific perspective. Topics include basic laws of energy and thermodynamics, their effects on energy production and distribution, greenhouse gas, global warming and policy options for decision makers. This course is aimed at the non-science major.*

*A Marquee Science and Technology Course designed for Non-Science Majors:  
<http://www.marqueecourses.umd.edu/> Click here for more Marquee course information.*

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0102 | Steven Rolston        | Seats (Total: 24) |            |
|      | TuTh 12:30pm - 1:45pm | PHY 1410          |            |
|      | M 1:00pm - 1:50pm     | PHY 0405          | Discussion |
| 0104 | Steven Rolston        | Seats (Total: 24) |            |
|      | TuTh 12:30pm - 1:45pm | PHY 1410          |            |
|      | F 12:00pm - 12:50pm   | MTH 0102          | Discussion |
| 0105 | Steven Rolston        | Seats (Total: 24) |            |
|      | TuTh 12:30pm - 1:45pm | PHY 1410          |            |
|      | F 2:00pm - 2:50pm     | PHY 1219          | Discussion |

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## PHYS111      **Physics in the Modern World**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: PS

*A survey course in general physics emphasizing the role that physics plays in science, technology, and society today. The course is concept oriented and minimal use of mathematics is made. Intended for the general student; does not satisfy the requirements of the professional schools.*

**Contact department for information to register for this course.**

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## PHYS115      **Inquiry into Physics**



Credits: 4      Grading Method: Regular, Pass-Fail, Audit      CORE: PL      General Education: DSNL

*Recommended: High School Physics. Restriction: Must not have completed PHYS117; and must be in one of the following programs (Elementary Education; Early Childhood Education; Middle School Education). Credit only granted for: PHYS115 or PHYS117.*

*Intended for students majoring in neither the physical nor the biological sciences. Use of laboratory-based and inquiry-based methods to study some of the basic ideas of physical sciences.*

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 0101 | Shabnam Jabeen       | Seats (Total: 20) |     |
|      | MWF 1:00pm - 2:50pm  | PHY 3316          | Lab |
| 0201 | Jennifer Radoff      | Seats (Total: 20) |     |
|      | MWF 9:00am - 10:50am | PHY 3316          | Lab |

## PHYS121 Fundamentals of Physics I

Credits: 4      Grading Method: Regular, Pass-Fail, Audit      CORE: PL      General Education: DSNL

*Prerequisite: MATH112 or MATH115. Credit only granted for: PHYS121, PHYS131, or PHYS331.*

*The first part of a two-semester course in general physics treating the fields of mechanics, heat, sound, electricity, magnetism, optics, and modern physics. Together with PHYS122, this generally satisfies the minimum requirement of medical and dental schools.*

Physics clinic, PHY 1214, MTWHF 11,1. If purchasing used books additional software may be required. Students must pay a \$50.00 laboratory materials fee.

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0201 | Sergio Picozzi        | Seats (Total: 26) |            |
|      | MWF 12:00pm - 12:50pm | PHY 1412          |            |
|      | M 10:00am - 11:50am   | PHY 3306          | Lab        |
|      | M 9:00am - 9:50am     | PHY 0405          | Discussion |
| 0202 | Sergio Picozzi        | Seats (Total: 26) |            |
|      | MWF 12:00pm - 12:50pm | PHY 1412          |            |
|      | M 2:00pm - 3:50pm     | PHY 3306          | Lab        |
|      | M 1:00pm - 1:50pm     | MTH 0201          | Discussion |
| 0203 | Sergio Picozzi        | Seats (Total: 26) |            |
|      | MWF 12:00pm - 12:50pm | PHY 1412          |            |
|      | Tu 9:00am - 10:50am   | PHY 3306          | Lab        |
|      | Tu 8:00am - 8:50am    | PHY 1402          | Discussion |

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0204 | Sergio Picozzi        | Seats (Total: 26) |            |
|      | MWF 12:00pm - 12:50pm | PHY 1412          |            |
|      | Tu 3:00pm - 4:50pm    | PHY 3306          | Lab        |
|      | Tu 2:00pm - 2:50pm    | MTH 0403          | Discussion |
| 0206 | Sergio Picozzi        | Seats (Total: 26) |            |
|      | MWF 12:00pm - 12:50pm | PHY 1412          |            |
|      | W 3:00pm - 4:50pm     | PHY 3306          | Lab        |
|      | W 2:00pm - 2:50pm     | MTH 0302          | Discussion |
| 0401 | Sergio Picozzi        | Seats (Total: 26) |            |
|      | Tu 7:00pm - 8:50pm    | PHY 1410          |            |
|      | Th 6:30pm - 7:20pm    | PHY 1410          |            |
|      | M 8:00pm - 9:50pm     | PHY 3306          | Lab        |
|      | W 6:30pm - 7:20pm     | PHY 1402          | Discussion |
| 0402 | Sergio Picozzi        | Seats (Total: 26) |            |
|      | Tu 7:00pm - 8:50pm    | PHY 1410          |            |
|      | Th 6:30pm - 7:20pm    | PHY 1410          |            |
|      | W 7:30pm - 9:20pm     | PHY 3306          | Lab        |
|      | M 6:30pm - 7:20pm     | PHY 1402          | Discussion |
| 0403 | Sergio Picozzi        | Seats (Total: 26) |            |
|      | Tu 7:00pm - 8:50pm    | PHY 1410          |            |
|      | Th 6:30pm - 7:20pm    | PHY 1410          |            |
|      | Tu 5:00pm - 6:50pm    | PHY 3306          | Lab        |
|      | Th 7:30pm - 8:20pm    | PHY 1219          | Discussion |
| 0404 | Sergio Picozzi        | Seats (Total: 26) |            |
|      | Tu 7:00pm - 8:50pm    | PHY 1410          |            |
|      | Th 6:30pm - 7:20pm    | PHY 1410          |            |
|      | M 6:00pm - 7:50pm     | PHY 3306          | Lab        |
|      | M 5:00pm - 5:50pm     | PHY 0405          | Discussion |
| 0405 | Sergio Picozzi        | Seats (Total: 8)  |            |
|      | Tu 7:00pm - 8:50pm    | PHY 1410          |            |
|      | Th 6:30pm - 7:20pm    | PHY 1410          |            |
|      | Th 7:30pm - 9:20pm    | PHY 3306          | Lab        |
|      | Tu 6:00pm - 6:50pm    | MTH 0201          | Discussion |

|  |                    |                   |            |
|--|--------------------|-------------------|------------|
| SEF1   | Sergio Picozzi     | Seats (Total: 18) |            |
|  | Tu 7:00pm - 8:50pm | PHY 1410          |            |
|  | Th 6:30pm - 7:20pm | PHY 1410          |            |
|  | Th 7:30pm - 9:20pm | PHY 3306          | Lab        |
|  | Tu 6:00pm - 6:50pm | MTH 0201          | Discussion |
| <i>Restricted to students in the SIE Program. <a href="#">Click here for more information.</a></i> |                    |                   |            |

## PHYS122

### Fundamentals of Physics II

Credits: 4      Grading Method: Regular, Pass-Fail, Audit      CORE: PL      General Education: DSNL

*Prerequisite: PHYS121; or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS122, PHYS132, or PHYS332.*

*A continuation of PHYS121, which together with it, generally satisfies the minimum requirement of medical and dental schools.*

Physics clinic, PHY 1214, MTWHF 12,2. If purchasing used books additional software may be required. Students must pay a \$50.00 laboratory materials fee.

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Sergio Picozzi       | Seats (Total: 24) |            |
|      | MWF 1:00pm - 1:50pm  | PHY 1410          |            |
|      | M 4:00pm - 5:50pm    | PHY 3314          | Lab        |
|      | M 3:00pm - 3:50pm    | EGR 2116          | Discussion |
| 0102 | Sergio Picozzi       | Seats (Total: 24) |            |
|      | MWF 1:00pm - 1:50pm  | PHY 1410          |            |
|      | Tu 10:00am - 11:50am | PHY 3314          | Lab        |
|      | Tu 9:00am - 9:50am   | MTH 0405          | Discussion |
| 0105 | Sergio Picozzi       | Seats (Total: 24) |            |
|      | MWF 1:00pm - 1:50pm  | PHY 1410          |            |
|      | Tu 4:00pm - 5:50pm   | PHY 3314          | Lab        |
|      | Th 4:00pm - 4:50pm   | PHY 1204          | Discussion |
| 0401 | Sergio Picozzi       | Seats (Total: 18) |            |
|      | MW 6:00pm - 7:15pm   | PHY 1201          |            |
|      | M 7:30pm - 9:20pm    | PHY 3314          | Lab        |
|      | W 7:30pm - 8:20pm    | PHY 1204          | Discussion |

|  |                    |                   |            |  |
|--|--------------------|-------------------|------------|--|
| 0402   | Sergio Picozzi     | Seats (Total: 24) |            |  |
|  | MW 6:00pm - 7:15pm | PHY 1201          |            |  |
|  | W 7:30pm - 9:20pm  | PHY 3314          | Lab        |  |
|  | M 7:30pm - 8:20pm  | PHY 1204          | Discussion |  |
| SEF1   | Sergio Picozzi     | Seats (Total: 6)  |            |  |
|  | MW 6:00pm - 7:15pm | PHY 1201          |            |  |
|  | M 7:30pm - 9:20pm  | PHY 3314          | Lab        |  |
|  | W 7:30pm - 8:20pm  | PHY 1204          | Discussion |  |
| <i>Restricted to students in the SIE Program. Click here for more information.</i> |                    |                   |            |  |

## PHYS131 Fundamentals of Physics for Life Sciences I

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH130, MATH131, and CHEM131; and (BSCI160 and BSCI161; or BSCI106); and (BSCI170 and BSCI171; or BSCI105). Or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS121, PHYS131, or PHYS331.*

*The first part of a two-semester course in general physics specifically oriented towards applications relevant for students in biology and pre-medical programs. The course covers basic mechanics including forces and energy, properties of matter, and thermodynamics done in authentic biological contexts.*

Students must pay a \$50.00 laboratory materials fee.

|      |                       |                   |            |  |
|------|-----------------------|-------------------|------------|--|
| 0101 | Mark Eichenlaub       | Seats (Total: 24) |            |  |
|      | MWF 10:00am - 10:50am | ESJ 1202          |            |  |
|      | W 5:00pm - 6:50pm     | PHY 3310          | Lab        |  |
|      | W 4:00pm - 4:50pm     | PHY 3310          | Discussion |  |
| 0102 | Mark Eichenlaub       | Seats (Total: 24) |            |  |
|      | MWF 10:00am - 10:50am | ESJ 1202          |            |  |
|      | M 4:00pm - 5:50pm     | PHY 3310          | Lab        |  |
|      | M 3:00pm - 3:50pm     | PHY 3310          | Discussion |  |
| 0103 | Mark Eichenlaub       | Seats (Total: 24) |            |  |
|      | MWF 10:00am - 10:50am | ESJ 1202          |            |  |
|      | Tu 10:00am - 11:50am  | PHY 3310          | Lab        |  |
|      | Tu 9:00am - 9:50am    | PHY 3310          | Discussion |  |

|      |                       |                   |            |  |
|------|-----------------------|-------------------|------------|--|
| 0104 | Mark Eichenlaub       | Seats (Total: 24) |            |  |
|      | MWF 10:00am - 10:50am | ESJ 1202          |            |  |
|      | W 1:00pm - 2:50pm     | PHY 3310          | Lab        |  |
|      | W 12:00pm - 12:50pm   | PHY 3310          | Discussion |  |
| 0107 | Mark Eichenlaub       | Seats (Total: 24) |            |  |
|      | MWF 10:00am - 10:50am | ESJ 1202          |            |  |
|      | M 7:00pm - 8:50pm     | PHY 3310          | Lab        |  |
|      | M 6:00pm - 6:50pm     | PHY 3310          | Discussion |  |
| 0108 | Mark Eichenlaub       | Seats (Total: 12) |            |  |
|      | MWF 10:00am - 10:50am | ESJ 1202          |            |  |
|      | Tu 8:00pm - 9:50pm    | PHY 3310          | Lab        |  |
|      | Tu 7:00pm - 7:50pm    | PHY 3310          | Discussion |  |
| 0201 | Edward Redish         | Seats (Total: 24) |            |  |
|      | TuTh 2:00pm - 3:15pm  | ESJ 1224          |            |  |
|      | M 12:00pm - 1:50pm    | PHY 3310          | Lab        |  |
|      | M 11:00am - 11:50am   | PHY 3310          | Discussion |  |
| 0202 | Edward Redish         | Seats (Total: 24) |            |  |
|      | TuTh 2:00pm - 3:15pm  | ESJ 1224          |            |  |
|      | Tu 5:00pm - 6:50pm    | PHY 3310          | Lab        |  |
|      | Tu 4:00pm - 4:50pm    | PHY 3310          | Discussion |  |
| 0203 | Edward Redish         | Seats (Total: 24) |            |  |
|      | TuTh 2:00pm - 3:15pm  | ESJ 1224          |            |  |
|      | Th 10:00am - 11:50am  | PHY 3310          | Lab        |  |
|      | Th 9:00am - 9:50am    | PHY 3310          | Discussion |  |
| 0204 | Edward Redish         | Seats (Total: 24) |            |  |
|      | TuTh 2:00pm - 3:15pm  | ESJ 1224          |            |  |
|      | Th 5:00pm - 6:50pm    | PHY 3310          | Lab        |  |
|      | Th 4:00pm - 4:50pm    | PHY 3310          | Discussion |  |
| 0205 | Edward Redish         | Seats (Total: 24) |            |  |
|      | TuTh 2:00pm - 3:15pm  | ESJ 1224          |            |  |
|      | W 10:00am - 11:50am   | PHY 3310          | Lab        |  |
|      | W 9:00am - 9:50am     | PHY 3310          | Discussion |  |

|      |                      |                   |            |  |
|------|----------------------|-------------------|------------|--|
| 0206 | Edward Redish        | Seats (Total: 24) |            |  |
|      | TuTh 2:00pm - 3:15pm | ESJ 1224          |            |  |
|      | M 8:00am - 9:50am    | PHY 3310          | Lab        |  |
|      | M 10:00am - 10:50am  | PHY 3310          | Discussion |  |
| 0208 | Edward Redish        | Seats (Total: 12) |            |  |
|      | TuTh 2:00pm - 3:15pm | ESJ 1224          |            |  |
|      | Tu 8:00pm - 9:50pm   | PHY 3310          | Lab        |  |
|      | Tu 7:00pm - 7:50pm   | PHY 3310          | Discussion |  |

## PHYS132

### Fundamentals of Physics for Life Sciences II

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS131; or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS122, PHYS132, or PHYS332.*

*The second part of a two-semester course in general physics specifically oriented towards applications relevant for students in biology and pre-medical programs. The course covers basic statistical physics, electricity and magnetism, and optics done in authentic biological contexts.*

Students must pay a \$50.00 laboratory materials fee.

|      |                       |                   |            |  |
|------|-----------------------|-------------------|------------|--|
| 0101 | David Buehrle         | Seats (Total: 24) |            |  |
|      | MWF 11:00am - 11:50am | PHY 1412          |            |  |
|      | Tu 1:00pm - 2:50pm    | PHY 3312          | Lab        |  |
|      | Tu 12:00pm - 12:50pm  | PHY 3312          | Discussion |  |
| 0103 | David Buehrle         | Seats (Total: 24) |            |  |
|      | MWF 11:00am - 11:50am | PHY 1412          |            |  |
|      | M 4:00pm - 5:50pm     | PHY 3312          | Lab        |  |
|      | M 3:00pm - 3:50pm     | PHY 3312          | Discussion |  |
| 0104 | David Buehrle         | Seats (Total: 24) |            |  |
|      | MWF 11:00am - 11:50am | PHY 1412          |            |  |
|      | W 4:00pm - 5:50pm     | PHY 3312          | Lab        |  |
|      | W 3:00pm - 3:50pm     | PHY 3312          | Discussion |  |
| 0105 | David Buehrle         | Seats (Total: 24) |            |  |
|      | MWF 11:00am - 11:50am | PHY 1412          |            |  |
|      | Tu 4:00pm - 5:50pm    | PHY 3312          | Lab        |  |
|      | Tu 3:00pm - 3:50pm    | PHY 3312          | Discussion |  |

|      |                       |                   |            |
|------|-----------------------|-------------------|------------|
| 0201 | David Buehrle         | Seats (Total: 24) |            |
|      | TuTh 12:30pm - 1:45pm | PHY 1412          |            |
|      | M 10:00am - 11:50am   | PHY 3312          | Lab        |
|      | M 9:00am - 9:50am     | PHY 3312          | Discussion |
| 0203 | David Buehrle         | Seats (Total: 24) |            |
|      | TuTh 12:30pm - 1:45pm | PHY 1412          |            |
|      | M 1:00pm - 2:50pm     | PHY 3312          | Lab        |
|      | M 12:00pm - 12:50pm   | PHY 3312          | Discussion |
| 0204 | David Buehrle         | Seats (Total: 24) |            |
|      | TuTh 12:30pm - 1:45pm | PHY 1412          |            |
|      | W 1:00pm - 2:50pm     | PHY 3312          | Lab        |
|      | W 12:00pm - 12:50pm   | PHY 3312          | Discussion |

## PHYS161

### General Physics: Mechanics and Particle Dynamics

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: PS

General Education: DSNS

*Prerequisite: Must have completed or be concurrently enrolled in MATH141. Credit only granted for: PHYS141, PHYS161, or PHYS171.*

*First semester of a three-semester calculus-based general physics course. Laws of motion, force, and energy; principles of mechanics, collisions, linear momentum, rotation, and gravitation.*

Physics clinic, PHY 1214, MTWHF 11, 2. If purchasing used books additional software may be required.

|      |                        |                   |            |
|------|------------------------|-------------------|------------|
| 0101 | Andrew Baden           | Seats (Total: 37) |            |
|      | MWF 3:00pm - 3:50pm    | PHY 1410          |            |
|      | Tu 3:00pm - 3:50pm     | PHY 0405          | Discussion |
| 0103 | Andrew Baden           | Seats (Total: 37) |            |
|      | MWF 3:00pm - 3:50pm    | PHY 1410          |            |
|      | F 10:00am - 10:50am    | CHM 0128          | Discussion |
| 0104 | Andrew Baden           | Seats (Total: 37) |            |
|      | MWF 3:00pm - 3:50pm    | PHY 1410          |            |
|      | F 11:00am - 11:50am    | PHY 0405          | Discussion |
| 0201 | Sergio Picozzi         | Seats (Total: 37) |            |
|      | TuTh 11:00am - 12:15pm | PHY 1410          |            |
|      | Th 8:00am - 8:50am     | PHY 0405          | Discussion |

|      |                        |                     |
|------|------------------------|---------------------|
| 0202 | Sergio Picozzi         | Seats (Total: 37)   |
|      | TuTh 11:00am - 12:15pm | PHY 1410            |
|      | Tu 2:00pm - 2:50pm     | PHY 1204 Discussion |
| 0203 | Sergio Picozzi         | Seats (Total: 37)   |
|      | TuTh 11:00am - 12:15pm | PHY 1410            |
|      | W 3:00pm - 3:50pm      | CHM 0128 Discussion |
| 0204 | Sergio Picozzi         | Seats (Total: 35)   |
|      | TuTh 11:00am - 12:15pm | PHY 1410            |
|      | W 4:00pm - 4:50pm      | MTH 0303 Discussion |
| 0301 | Matthew Severson       | Seats (Total: 37)   |
|      | MWF 10:00am - 10:50am  | PHY 1410            |
|      | Th 3:00pm - 3:50pm     | PHY 1204 Discussion |
| 0302 | Matthew Severson       | Seats (Total: 37)   |
|      | MWF 10:00am - 10:50am  | PHY 1410            |
|      | Tu 4:00pm - 4:50pm     | PHY 1219 Discussion |
| 0303 | Matthew Severson       | Seats (Total: 37)   |
|      | MWF 10:00am - 10:50am  | PHY 1410            |
|      | W 12:00pm - 12:50pm    | PHY 0405 Discussion |
| 0304 | Matthew Severson       | Seats (Total: 35)   |
|      | MWF 10:00am - 10:50am  | PHY 1410            |
|      | W 3:00pm - 3:50pm      | EGR 3106 Discussion |

## PHYS165

### Introduction to Programming in the Physical Sciences

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS171, PHYS141, or PHYS161; or must have scored 3 or higher on AP PHYS exam.*

*Introduction to programming using examples in the physical sciences. Provides instruction in the techniques of upper-level languages such as Fortran, C, and Pascal, as well as an introduction to the object oriented programming techniques used in Python, C++ and Java. Includes strong component of visualization and graphing.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Rajarshi Roy          | Seats (Total: 32) |
|      | TuTh 9:30am - 10:45am | PLS 1129          |



**PHYS170****Professional Physics Seminar**

Credits: 1                      Grading Method: Regular,  
    Pass-Fail, Audit

*Corequisite: MATH140. Restriction: Must be in Physics program; or must be in Physics-Education program; or permission of instructor.*

*Provides a look at some of the major developments of current interest in physics research and discusses the activities physicists undertake in research, education, industry, government, and other areas of the economy.*

|      |                              |                   |
|------|------------------------------|-------------------|
| 0101 | Thomas Gleason, Donna Hammer | Seats (Total: 24) |
|      | W 12:00pm - 12:50pm          | PHY 4221          |

**PHYS171****Introductory Physics: Mechanics and Relativity**

Credits: 3                      Grading Method: Regular,                      CORE: PS                      General Education: DSNS  
    Pass-Fail, Audit

*Prerequisite: (MATH140; and a high school physics course); or permission of CMNS-Physics department. And must have completed or be concurrently enrolled in MATH141. Credit only granted for: PHYS141, PHYS161, or PHYS171.*

*First semester of a three semester sequence for physics majors and those desiring a rigorous preparation in the physical sciences: kinematics, Newton's laws, energy and work, linear and angular momenta, temperature and pressure, ideal gas law, and special relativity.*

Also offered as PHYS 171H.

|      |                     |  |
|------|---------------------|--|
| 0201 | Peter Shawhan       | Seats (Total: 55)                        |
|      | MWF 9:00am - 9:50am | PHY 1201                                 |
|      | W 11:00am - 11:50am | ESJ 0215                      Discussion |

**PHYS171H****Introductory Physics: Mechanics and Relativity**

(Perm req)

Credits: 3                      Grading Method: Regular,                      CORE: PS                      General Education: DSNS  
    Pass-Fail, Audit

*Prerequisite: (MATH140; and a high school physics course); or permission of CMNS-Physics department. And must have completed or be concurrently enrolled in MATH141. Credit only granted for: PHYS141, PHYS161, or PHYS171.*

*First semester of a three semester sequence for physics majors and those desiring a rigorous preparation in the physical sciences: kinematics, Newton's laws, energy and work, linear and angular momenta, temperature and pressure, ideal gas law, and special relativity.*

Also offered as PHYS171.

|      |                     |                   |            |  |
|------|---------------------|-------------------|------------|--|
| 0201 | Peter Shawhan       | Seats (Total: 55) |            |  |
|      | MWF 9:00am - 9:50am | PHY 1201          |            |  |
|      | W 11:00am - 11:50am | ESJ 0215          | Discussion |  |

## PHYS174 Physics Laboratory Introduction

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Corequisite: MATH140. Recommended: High school physics.*

*Introduces students to the techniques of data gathering and analysis. This course will lay a foundation for higher-level labs in physics and the physical sciences. Students will learn to use laboratory equipment such as calipers, meters, oscilloscopes, and computer interfaces. Techniques of measurement and error analysis will be presented. Students will be taught to use the computer for data analysis with an emphasis on using spreadsheets.*

|      |                     |                   |     |  |
|------|---------------------|-------------------|-----|--|
| 0102 | Theodore Einstein   | Seats (Total: 26) |     |  |
|      | W 2:00pm - 3:50pm   | PHY 3115          | Lab |  |
| 0103 | Jordan Goodman      | Seats (Total: 26) |     |  |
|      | Th 2:00pm - 3:50pm  | PHY 3115          | Lab |  |
| 0105 | Jordan Goodman      | Seats (Total: 26) |     |  |
|      | W 12:00pm - 1:50pm  | PHY 3115          | Lab |  |
| 0106 | Jordan Goodman      | Seats (Total: 26) |     |  |
|      | W 10:00am - 11:50am | PHY 3115          | Lab |  |
| 0107 | Theodore Einstein   | Seats (Total: 26) |     |  |
|      | Tu 2:00pm - 3:50pm  | PHY 3115          | Lab |  |
| 0108 | Theodore Einstein   | Seats (Total: 26) |     |  |
|      | W 4:00pm - 5:50pm   | PHY 3115          | Lab |  |

## PHYS199M The Manhattan Project

Credits: 3      Grading Method: Regular,      CORE: PS      General Education: DSHS,  
Pass-Fail, Audit      DSNS, SCIS

This course explores the development of the atomic bomb during the Manhattan project. Nuclear Physics is introduced in a historical context from the discovery of radioactivity in 1896 to the discovery of nuclear fission in Germany in 1938; this historical approach allows students to understand how scientific knowledge is built up over time.

*A Marquee Science and Technology Course designed for Non-Science Majors:  
<http://www.marqueecourses.umd.edu/>\* Click here for more Marquee course information.*

|      |   |   |            |
|------|---|---|------------|
| 0101 | Johnpierre Paglione<br>MW 4:00pm - 5:15pm<br>M 1:00pm - 1:50pm  | Seats (Total: 25)<br>PHY 1410<br>PHY 1402 | Discussion |
| 0102 | Johnpierre Paglione<br>MW 4:00pm - 5:15pm<br>M 2:00pm - 2:50pm  | Seats (Total: 25)<br>PHY 1410<br>PHY 0405 | Discussion |
| 0103 | Johnpierre Paglione<br>MW 4:00pm - 5:15pm<br>Tu 2:00pm - 2:50pm | Seats (Total: 25)<br>PHY 1410<br>PHY 0405 | Discussion |
| 0104 | Johnpierre Paglione<br>MW 4:00pm - 5:15pm<br>W 1:00pm - 1:50pm  | Seats (Total: 25)<br>PHY 1410<br>PHY 1402 | Discussion |
| 0105 | Johnpierre Paglione<br>MW 4:00pm - 5:15pm<br>W 2:00pm - 2:50pm  | Seats (Total: 25)<br>PHY 1410<br>PHY 0405 | Discussion |

## PHYS260

### General Physics: Vibration, Waves, Heat, Electricity and Magnetism

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSNL (if taken with PHYS261)

*Prerequisite: PHYS161 and MATH141. Corequisite: PHYS261. Credit only granted for: PHYS142, PHYS260, or PHYS272.*

*Second semester of a three-semester calculus-based general physics course. Vibrations, waves, fluids; heat, kinetic theory, and thermodynamics; electrostatics, circuits, and magnetism. PHYS260 and PHYS261 must be taken in the same semester.*

If purchasing used books additional software may be required.

|      |   |   |            |
|------|---|---|------------|
| 0101 | Maissam Barkeshli<br>MW 4:30pm - 5:45pm<br>Tu 11:00am - 11:50am | Seats (Total: 30)<br>PHY 1412<br>PLS 1119 | Discussion |
| 0102 | Maissam Barkeshli<br>MW 4:30pm - 5:45pm<br>W 10:00am - 10:50am  | Seats (Total: 30)<br>PHY 1412<br>PHY 0405 | Discussion |

|      |  |   |            |
|------|--|---|------------|
| 0103 | Maissam Barkeshli<br>MW 4:30pm - 5:45pm<br>W 8:00am - 8:50am | Seats (Total: 30)<br>PHY 1412<br>PHY 1219 | Discussion |
| 0104 | Maissam Barkeshli<br>MW 4:30pm - 5:45pm<br>W 9:00am - 9:50am | Seats (Total: 30)<br>PHY 1412<br>PHY 0405 | Discussion |
| 0105 | Maissam Barkeshli<br>MW 4:30pm - 5:45pm<br>F 3:00pm - 3:50pm | Seats (Total: 30)<br>PHY 1412<br>PHY 1204 | Discussion |
| 0201 | Kara Hoffman<br>MW 3:00pm - 4:15pm<br>Tu 8:00am - 8:50am     | Seats (Total: 30)<br>PHY 1412<br>PHY 0405 | Discussion |
| 0202 | Kara Hoffman<br>MW 3:00pm - 4:15pm<br>Tu 9:00am - 9:50am     | Seats (Total: 30)<br>PHY 1412<br>HBK 0105 | Discussion |
| 0203 | Kara Hoffman<br>MW 3:00pm - 4:15pm<br>Tu 11:00am - 11:50am   | Seats (Total: 30)<br>PHY 1412<br>PLS 1111 | Discussion |
| 0204 | Kara Hoffman<br>MW 3:00pm - 4:15pm<br>F 2:00pm - 2:50pm      | Seats (Total: 30)<br>PHY 1412<br>PHY 1402 | Discussion |
| 0205 | Kara Hoffman<br>MW 3:00pm - 4:15pm<br>W 12:00pm - 12:50pm    | Seats (Total: 30)<br>PHY 1412<br>PHY 1219 | Discussion |
| 0206 | Kara Hoffman<br>MW 3:00pm - 4:15pm<br>M 4:30pm - 5:20pm      | Seats (Total: 30)<br>PHY 1412<br>PHY 1219 | Discussion |
| 0207 | Kara Hoffman<br>MW 3:00pm - 4:15pm<br>W 4:30pm - 5:20pm      | Seats (Total: 30)<br>PHY 1412<br>MTH 0101 | Discussion |

|      |  |   |            |
|------|--|---|------------|
| 0301 | Rabindra Mohapatra<br>TuTh 2:00pm - 3:15pm<br>M 12:00pm - 12:50pm                | Seats (Total: 34)<br>PHY 1412<br>PHY 1219             | Discussion |
| 0302 | Rabindra Mohapatra<br>TuTh 2:00pm - 3:15pm<br>W 11:00am - 11:50am                | Seats (Total: 35)<br>PHY 1412<br>PHY 0405             | Discussion |
| 0303 | Rabindra Mohapatra<br>TuTh 2:00pm - 3:15pm<br>Tu 12:00pm - 12:50pm               | Seats (Total: 33)<br>PHY 1412<br>PLS 1111             | Discussion |
| 0304 | Rabindra Mohapatra<br>TuTh 2:00pm - 3:15pm<br>F 1:00pm - 1:50pm                  | Seats (Total: 32)<br>PHY 1412<br>PHY 1402             | Discussion |
| 0305 | Rabindra Mohapatra<br>TuTh 2:00pm - 3:15pm<br>Tu 1:00pm - 1:50pm                 | Seats (Total: 30)<br>PHY 1412<br>PHY 0405             | Discussion |
| 0401 | Hailu Gebremariam<br>M 7:00pm - 8:50pm<br>W 7:00pm - 7:50pm<br>W 8:00pm - 8:50pm | Seats (Total: 30)<br>PHY 1410<br>PHY 1410<br>PHY 0405 | Discussion |
| 0402 | Hailu Gebremariam<br>M 7:00pm - 8:50pm<br>W 7:00pm - 7:50pm<br>W 6:00pm - 6:50pm | Seats (Total: 30)<br>PHY 1410<br>PHY 1410<br>PHY 1219 | Discussion |
| 0501 | Michelle Girvan<br>TuTh 3:30pm - 4:45pm<br>F 9:00am - 9:50am                     | Seats (Total: 30)<br>PHY 1410<br>PHY 0405             | Discussion |
| 0502 | Michelle Girvan<br>TuTh 3:30pm - 4:45pm<br>F 12:00pm - 12:50pm                   | Seats (Total: 30)<br>PHY 1410<br>PHY 0405             | Discussion |
| 0503 | Michelle Girvan<br>TuTh 3:30pm - 4:45pm<br>F 10:00am - 10:50am                   | Seats (Total: 30)<br>PHY 1410<br>PHY 1219             | Discussion |

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0504 | Michelle Girvan      | Seats (Total: 30) |            |
|      | TuTh 3:30pm - 4:45pm | PHY 1410          |            |
|      | W 10:00am - 10:50am  | PHY 1219          | Discussion |

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**PHYS260H      General Physics: Vibration, Waves, Heat, Electricity and Magnetism**

Credits: 3      Grading Method: Regular,      General Education: DSNL (if  
Pass-Fail, Audit      taken with PHYS261)

*Prerequisite: PHYS161 and MATH141. Corequisite: PHYS261. Credit only granted for: PHYS142, PHYS260, or PHYS272.*

*Second semester of a three-semester calculus-based general physics course. Vibrations, waves, fluids; heat, kinetic theory, and thermodynamics; electrostatics, circuits, and magnetism. PHYS260 and PHYS261 must be taken in the same semester.*

If purchasing used books additional software may be required.

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0301 | Rabindra Mohapatra   | Seats (Total: 25) |            |
|      | TuTh 2:00pm - 3:15pm | PHY 1412          |            |
|      | M 12:00pm - 12:50pm  | HBK 0105          | Discussion |

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**PHYS261      General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Corequisite: PHYS260.*

*Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester.*

Students must pay a \$50.00 laboratory materials fee.

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0201 | Matthew Severson    | Seats (Total: 36) |     |
|      | M 8:00am - 10:20am  | PHY 3219          | Lab |
| 0202 | Matthew Severson    | Seats (Total: 36) |     |
|      | M 10:30am - 12:50pm | PHY 3219          | Lab |
| 0203 | Matthew Severson    | Seats (Total: 36) |     |
|      | M 1:00pm - 3:20pm   | PHY 3219          | Lab |
| 0204 | Matthew Severson    | Seats (Total: 36) |     |
|      | M 4:30pm - 6:50pm   | PHY 3219          | Lab |

|      |   |                               |     |
|------|---|-------------------------------|-----|
| 0205 | Matthew Severson<br>M 7:00pm - 9:20pm   | Seats (Total: 36)<br>PHY 3219 | Lab |
| 0206 | Matthew Severson<br>Tu 9:00am - 11:20am | Seats (Total: 36)<br>PHY 3219 | Lab |
| 0207 | Matthew Severson<br>Tu 11:30am - 1:50pm | Seats (Total: 36)<br>PHY 3219 | Lab |
| 0208 | Matthew Severson<br>Tu 2:00pm - 4:20pm  | Seats (Total: 36)<br>PHY 3219 | Lab |
| 0209 | Matthew Severson<br>Tu 4:30pm - 6:50pm  | Seats (Total: 36)<br>PHY 3219 | Lab |
| 0210 | Matthew Severson<br>Tu 7:00pm - 9:20pm  | Seats (Total: 36)<br>PHY 3219 | Lab |
| 0211 | Matthew Severson<br>W 8:00am - 10:20am  | Seats (Total: 36)<br>PHY 3219 | Lab |
| 0212 | Matthew Severson<br>W 10:30am - 12:50pm | Seats (Total: 36)<br>PHY 3219 | Lab |
| 0213 | Matthew Severson<br>W 1:00pm - 3:20pm   | Seats (Total: 36)<br>PHY 3219 | Lab |
| 0214 | Matthew Severson<br>W 4:30pm - 6:50pm   | Seats (Total: 36)<br>PHY 3219 | Lab |
| 0215 | Matthew Severson<br>W 7:00pm - 9:20pm   | Seats (Total: 36)<br>PHY 3219 | Lab |
| 0216 | Matthew Severson<br>Th 9:00am - 11:20am | Seats (Total: 36)<br>PHY 3219 | Lab |
| 0217 | Matthew Severson<br>Th 11:30am - 1:50pm | Seats (Total: 36)<br>PHY 3219 | Lab |
| 0218 | Matthew Severson<br>Th 2:00pm - 4:20pm  | Seats (Total: 36)<br>PHY 3219 | Lab |

|      |  |                               |     |
|------|--|-------------------------------|-----|
| 0219 | Matthew Severson<br>Th 4:30pm - 6:50pm | Seats (Total: 36)<br>PHY 3219 | Lab |
| 0220 | Matthew Severson<br>Th 7:00pm - 9:20pm | Seats (Total: 36)<br>PHY 3219 | Lab |
| 0221 | Matthew Severson<br>F 9:00am - 11:20am | Seats (Total: 36)<br>PHY 3219 | Lab |

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**PHYS261M      General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

(Perm req)

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Corequisite: PHYS260.*

*Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester.*

|      |  |                   |
|------|--|-------------------|
| 0101 | Instructor: TBA<br>Contact instructor or department for details.<br><br><i>Restricted to students transferring a lab grade from a previous semester.</i> | Seats (Total: 10) |
|------|--|-------------------|

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**PHYS270      General Physics: Electrodynamics, Light, Relativity and Modern Physics**

Credits: 3      Grading Method: Regular,      General Education: DSNL (if  
Pass-Fail, Audit      taken with PHYS271)

*Prerequisite: PHYS261, MATH241, and PHYS260. Corequisite: PHYS271.*

*Third semester of a three-semester calculus-based general physics course. Electrodynamics, Maxwell's equations and electromagnetic waves, geometrical optics, interference, diffraction, special theory of relativity, and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester.*

If purchasing used books additional software may be required.

|      |   |   |            |
|------|---|---|------------|
| 0101 | David Buehrle<br>TuTh 5:00pm - 6:15pm<br>Th 2:00pm - 2:50pm | Seats (Total: 35)<br>PHY 1410<br>PHY 1204 | Discussion |
| 0102 | David Buehrle<br>TuTh 5:00pm - 6:15pm<br>Th 4:00pm - 4:50pm | Seats (Total: 35)<br>PHY 1410<br>PHY 1219 | Discussion |



|      |   |   |            |
|------|---|---|------------|
| 0103 | David Buehrle<br>TuTh 5:00pm - 6:15pm<br>W 9:00am - 9:50am  | Seats (Total: 35)<br>PHY 1410<br>CHM 0128 | Discussion |
| 0104 | David Buehrle<br>TuTh 5:00pm - 6:15pm<br>F 1:00pm - 1:50pm  | Seats (Total: 35)<br>PHY 1410<br>PHY 0405 | Discussion |
| 0301 | David Buehrle<br>MWF 12:00pm - 12:50pm<br>W 1:00pm - 1:50pm | Seats (Total: 35)<br>PHY 1410<br>PHY 0405 | Discussion |
| 0302 | David Buehrle<br>MWF 12:00pm - 12:50pm<br>W 2:00pm - 2:50pm | Seats (Total: 35)<br>PHY 1410<br>MTH 0304 | Discussion |
| 0303 | David Buehrle<br>MWF 12:00pm - 12:50pm<br>F 2:00pm - 2:50pm | Seats (Total: 35)<br>PHY 1410<br>MTH 0304 | Discussion |
| 0304 | David Buehrle<br>MWF 12:00pm - 12:50pm<br>F 3:00pm - 3:50pm | Seats (Total: 35)<br>PHY 1410<br>MTH 0304 | Discussion |

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**PHYS271      General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS261. Corequisite: PHYS270.*

*Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester.*

Students must pay a \$50.00 laboratory materials fee.

|      |                                       |                               |     |
|------|---------------------------------------|-------------------------------|-----|
| 0102 | Matthew Severson<br>M 3:00pm - 5:50pm | Seats (Total: 36)<br>PHY 3213 | Lab |
| 0103 | Matthew Severson<br>M 6:00pm - 8:50pm | Seats (Total: 36)<br>PHY 3213 | Lab |

|      |  |                               |     |
|------|--|-------------------------------|-----|
| 0104 | Matthew Severson<br>W 4:00pm - 6:50pm    | Seats (Total: 36)<br>PHY 3213 | Lab |
| 0105 | Matthew Severson<br>Tu 10:00am - 12:50pm | Seats (Total: 36)<br>PHY 3213 | Lab |
| 0106 | Matthew Severson<br>Tu 1:00pm - 3:50pm   | Seats (Total: 36)<br>PHY 3213 | Lab |
| 0108 | Matthew Severson<br>Tu 7:00pm - 9:50pm   | Seats (Total: 36)<br>PHY 3213 | Lab |
| 0117 | Matthew Severson<br>Th 11:00am - 1:50pm  | Seats (Total: 36)<br>PHY 3213 | Lab |
| 0118 | Matthew Severson<br>Th 2:00pm - 4:50pm   | Seats (Total: 36)<br>PHY 3213 | Lab |

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**PHYS271M      General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

(Perm req)

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS261. Corequisite: PHYS270.*

*Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester.*

|      |  |                   |
|------|--|-------------------|
| 0101 | Instructor: TBA<br>Contact instructor or department for details.<br><i>Restricted to students transferring a lab grade from a previous semester.</i> | Seats (Total: 10) |
|------|--|-------------------|

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**PHYS272      Introductory Physics: Fields**

Credits: 3      Grading Method: Regular,      General Education: DSNL (if  
Pass-Fail, Audit      taken with PHYS275)

*Prerequisite: PHYS161 or PHYS171; and MATH141; and must have completed or be concurrently enrolled in MATH241. Credit only granted for: PHYS142, (PHYS260 and PHYS261) or PHYS272.. Additional information: CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS275.*

*Second semester of a calculus based general physics course. Universal gravitation, electric and magnetic fields and potentials, simple circuits, Maxwell's equations in integral form. Continues the application of mathematics to conceptual models, now with more abstract components.*

Also offered as PHYS 272H.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Richard Greene        | Seats (Total: 54) |
|      | TuTh 12:30pm - 1:45pm | PHY 1204          |
|      | M 11:00am - 11:50am   | ESJ 0215          |
| 0201 | James Williams        | Seats (Total: 49) |
|      | TuTh 2:00pm - 3:15pm  | PHY 1402          |
|      | M 12:00pm - 12:50pm   | PHY 1402          |

## PHYS272H Introductory Physics: Fields

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSNL (if taken with PHYS275)

*Prerequisite: PHYS161 or PHYS171; and MATH141; and must have completed or be concurrently enrolled in MATH241. Credit only granted for: PHYS142, (PHYS260 and PHYS261) or PHYS272.. Additional information: CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS275.*

*Second semester of a calculus based general physics course. Universal gravitation, electric and magnetic fields and potentials, simple circuits, Maxwell's equations in integral form. Continues the application of mathematics to conceptual models, now with more abstract components.*

For general honors students only. Also offered as PHYS 272.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Richard Greene        | Seats (Total: 54) |
|      | TuTh 12:30pm - 1:45pm | PHY 1204          |
|      | M 11:00am - 11:50am   | ESJ 0215          |
| 0201 | James Williams        | Seats (Total: 49) |
|      | TuTh 2:00pm - 3:15pm  | PHY 1402          |
|      | M 12:00pm - 12:50pm   | PHY 1402          |

## PHYS273 Introductory Physics: Waves

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Prerequisite: MATH241 and PHYS272. Corequisite: PHYS274. Credit only granted for: (PHYS270 and PHYS271) or PHYS273.*

*Oscillations and AC circuits using complex variables, Fourier series and integrals, waves on strings, sound; electromagnetic waves from Maxwell's equations in differential form; physical optics.*

Also offered as PHYS 273H.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Thomas Cohen          | Seats (Total: 55) |
|      | TuTh 12:30pm - 1:45pm | PHY 1201          |
|      | F 11:00am - 11:50am   | ESJ 0215          |

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## **PHYS273H      Introductory Physics: Waves**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH241 and PHYS272. Corequisite: PHYS274. Credit only granted for: (PHYS270 and PHYS271) or PHYS273.*

*Oscillations and AC circuits using complex variables, Fourier series and integrals, waves on strings, sound; electromagnetic waves from Maxwell's equations in differential form; physical optics.*

For general honors students only. Also offered as PHYS 273.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Thomas Cohen          | Seats (Total: 55) |
|      | TuTh 12:30pm - 1:45pm | PHY 1201          |
|      | F 11:00am - 11:50am   | ESJ 0215          |

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## **PHYS274      Mathematical Methods for Physics I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH241 and PHYS272.*

*A first course in mathematical methods for physics. Topics include linear algebra, curvilinear coordinates and vector analysis.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Adil Hassam           | Seats (Total: 50) |
|      | MWF 12:00pm - 12:50pm | KEY 1117          |

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## **PHYS275      Experimental Physics I: Mechanics and Heat**

(Perm req)

Credits: 2                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS161 or PHYS171; and PHYS174. Additional information: CORE Physical Science Lab (PL) Course only when taken concurrently with PHYS272.*

*Methods and rationale of experimental physics. Intended for physics majors and science and engineering students who desire a more rigorous approach. Experiments chosen from the areas of mechanics (from PHYS171), gas laws, and heats. Theory and applications of error analysis.*

|      |                    |                   |     |
|------|--------------------|-------------------|-----|
| 0101 | Min Ouyang         | Seats (Total: 11) |     |
|      | M 2:00pm - 5:50pm  | PHY 3104          | Lab |
| 0201 | Min Ouyang         | Seats (Total: 11) |     |
|      | W 2:00pm - 5:50pm  | PHY 3104          | Lab |
| 0301 | Alberto Belloni    | Seats (Total: 11) |     |
|      | Tu 2:00pm - 5:50pm | PHY 3104          | Lab |
| 0401 | Alberto Belloni    | Seats (Total: 11) |     |
|      | Th 2:00pm - 5:50pm | PHY 3104          | Lab |

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**PHYS276      Experimental Physics II: Electricity and Magnetism**

(Perm req)

Credits: 2

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS272 and PHYS275.*

*Second course in the three semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the fields of electricity and magnetism including electrostatics, magnetostatics, magnetic induction, AC circuits.*

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0101 | Sarah Eno           | Seats (Total: 12) |     |
|      | M 2:00pm - 5:50pm   | PHY 3120          | Lab |
| 0201 | Sarah Eno           | Seats (Total: 12) |     |
|      | Tu 2:00pm - 5:50pm  | PHY 3120          | Lab |
| 0301 | Frederick Wellstood | Seats (Total: 11) |     |
|      | Th 2:00pm - 5:50pm  | PHY 3120          | Lab |
| 0401 | Frederick Wellstood | Seats (Total: 12) |     |
|      | W 2:00pm - 5:50pm   | PHY 3120          | Lab |

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**PHYS299      Special Problems in Physics**

(Perm req)

Credits: 1-6

Grading Method: Regular,  
Pass-Fail, Audit

Research or special study to complement courses taken elsewhere which are not fully equivalent to those in departmental requirements. Credit according to work done.

**Contact department for information to register for this course.**

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**PHYS331      Physics for Life Sciences I**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH130, MATH131, and CHEM131; and (BSCI160 and BSCI161; or BSCI106); and (BSCI170 and BSCI171; or BSCI105). Or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS121, PHYS131 or PHYS 331.*

*The first part of a two-semester course in general physics specifically oriented towards applications relevant for students in biology and pre-medical programs. The course covers basic mechanics including forces and energy, properties of matter, and thermodynamics done in authentic biological contexts.*

Students must pay a \$50.00 lab materials fee.

|   |                       |                   |            |
|---|-----------------------|-------------------|------------|
| SG91  | Marco Colombini       | Seats (Total: 24) |            |
|   | TuTh 9:30am - 10:45am | BLD3 2206         |            |
|   | F 2:00pm - 4:50pm     | BLD2 4012         | Lab        |
|   | F 1:00pm - 1:50pm     | BLD1 217          | Discussion |
| <i>Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email <a href="mailto:usgbiosci@umd.edu">usgbiosci@umd.edu</a> for permission.</i> |                       |                   |            |

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**PHYS371      Modern Physics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS273 and PHYS274. Corequisite: PHYS373. Credit only granted for: PHYS371 or PHYS420. Additional information: This course is intended primarily for physics and astronomy majors.*

*Introduces students to special relativity, thermodynamics and quantum mechanics at an intermediate level.*

|      |                     |                   |  |
|------|---------------------|-------------------|--|
| 0101 | Paulo Bedaque       | Seats (Total: 60) |  |
|      | MWF 1:00pm - 1:50pm | SYM 0200          |  |

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**PHYS373      Mathematical Methods for Physics II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS273 and PHYS274.*

*A second course in mathematical methods for physics. Topics include introduction to ordinary differential equations, partial differential equations, and complex analysis.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Ki-Yong Kim            | Seats (Total: 64) |
|      | TuTh 11:00am - 12:15pm | PHY 1201          |

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**PHYS375****Experimental Physics III: Electromagnetic Waves, Optics and Modern Physics**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: DSSP

*Prerequisite: PHYS276 and PHYS273.*

*Third course in the three-semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the areas of electromagnetic waves, optics and modern physics.*

Besides lab hours scheduled below, additional required lab time will be arranged.

|      |                            |                           |
|------|----------------------------|---------------------------|
| 0101 | Andris Skuja, Wendell Hill | Seats (Total: 10)         |
|      | M 2:00pm - 2:50pm          | PHY 1410                  |
|      | M 3:00pm - 5:50pm          | PHY 3203              Lab |
| 0102 | Andris Skuja, Wendell Hill | Seats (Total: 10)         |
|      | M 2:00pm - 2:50pm          | PHY 1410                  |
|      | W 3:00pm - 5:50pm          | PHY 3203              Lab |
| 0103 | Andris Skuja, Wendell Hill | Seats (Total: 10)         |
|      | M 2:00pm - 2:50pm          | PHY 1410                  |
|      | Tu 3:00pm - 5:50pm         | PHY 3203              Lab |
| 0104 | Andris Skuja, Wendell Hill | Seats (Total: 10)         |
|      | M 2:00pm - 2:50pm          | PHY 1410                  |
|      | Th 3:00pm - 5:50pm         | PHY 3203              Lab |

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**PHYS386****Experiential Learning**

(Perm req)

Credits: 3-6                      Grading Method: Regular,  
Pass-Fail

**Contact department for information to register for this course.**

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**PHYS389****Undergraduate Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular,  
Pass-Fail, Audit

*Independent directed research and study on a topic selected by the student in consultation with his or her advisor. Final written thesis and oral defense will be expected.*

**Contact department for information to register for this course.**

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**PHYS398**

**Independent Studies Seminar**

(Perm req)

Credits: 1-16

Grading Method: Regular,  
Pass-Fail, Audit

*Credit according to work done. Enrollment is limited to students admitted to the independent studies program in physics.*

**Contact department for information to register for this course.**

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**PHYS399**

**Special Problems in Physics**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Selected advanced experiments. (Will be given with sufficient demand.)*

**Contact department for information to register for this course.**

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**PHYS399C**

**Special Problems in Physics; Physics STEM Seminar**

Credits: 1

Grading Method: Regular

*Selected advanced experiments. (Will be given with sufficient demand.)*

|      |   |                          |
|------|---|--------------------------|
| 0101 | Thomas Gleason, Donna Hammer                        | Seats (Total: 8)         |
|      | <b>Meets September 29, 2017 - December 11, 2017</b> |                          |
|      | F 3:00pm - 3:50pm                                   | PHY 1201                 |
|      | TBA   | PHY 1201      Discussion |

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**PHYS399D**

**Special Problems in Physics; Physics STEM Seminar II**

(Perm req)

Credits: 2

Grading Method: Regular

*Selected advanced experiments. (Will be given with sufficient demand.)*

|      |   |                  |
|------|---|------------------|
| 0101 | Donna Hammer, Thomas Gleason                  | Seats (Total: 8) |
|      | F 9:00am - 9:50am                             | PHY 1204         |
|      | Contact instructor or department for details. |                  |

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**PHYS401****Quantum Physics I**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS371 and PHYS373. Formerly: PHYS421.*

*Introduces some quantum phenomena leading to wave-particle duality. Schroedinger theory for bound states and scattering in one dimension. One-particle Schroedinger equation and the hydrogen atom.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Christopher Lobb      | Seats (Total: 68) |
|      | MWF 10:00am - 10:50am | PHY 1201          |
|      | W 11:00am - 11:50am   | ESJ 2212          |

**PHYS402****Quantum Physics II**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS401.*

*Quantum states as vectors; spin and spectroscopy, multiparticle systems the periodic table, perturbation theory, band structure, etc.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Steven Anlage        | Seats (Total: 48) |
|      | MW 10:00am - 10:50am | PHY 1402          |
|      | MW 11:00am - 11:50am | PHY 1402          |

**PHYS404****Introduction to Statistical Thermodynamics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS371 or PHYS420.*

*Introduction to basic concepts in thermodynamics and statistical mechanics.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Ian Appelbaum       | Seats (Total: 45) |
|      | MWF 9:00am - 9:50am | ESJ 2212          |

**PHYS405****Advanced Experiments**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS375. Restriction: Must be in a major within CMNS-Physics department.*

*Advanced laboratory techniques. Selected experiments from many fields of modern physics. Emphasis on self-study of the phenomena, data analysis, and presentation in report form.*

|      |                     |                   |     |
|------|---------------------|-------------------|-----|
| 0101 | Abolhassan Jawahery | Seats (Total: 20) |     |
|      | W 12:00pm - 12:50pm | PHY 1402          | Lab |
|      | TBA                 | PHY 3112          | Lab |

## **PHYS407 Undergraduate Experimental Research**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      General Education: DSSP

*Prerequisite: PHYS499 and PHYS375; and permission of CMNS-Physics department. Restriction: Must be in a major within CMNS-Physics department; and senior standing.*

*Students develop and complete an independent, experimental research project with a professor in the Physics Department. The project should be a continuation of work done in PHYS499A. To obtain permission, students must submit a proposal describing the experimental work to be completed and this proposal must be approved by their faculty mentor, the associate chair for undergraduate education and the chair of the laboratory committee. Students must maintain a lab notebook, give an oral presentation and complete a written report on their research that includes data and error analysis.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Kara Hoffman                                  | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

## **PHYS410 Classical Mechanics**

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS373.*

*Theoretical foundations of mechanics with extensive application of the methods. Various mathematical tools of theoretical physics.*

|      |                       |                   |  |
|------|-----------------------|-------------------|--|
| 0101 | William Dorland       | Seats (Total: 60) |  |
|      | TuTh 9:00am - 10:50am | PHY 1201          |  |

## **PHYS411 Intermediate Electricity and Magnetism**

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS373.*

*Foundations of electromagnetic theory, with extensive applications of the methods. Thorough treatment of wave properties of solutions of Maxwell's equations.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Phillip Sprangle       | Seats (Total: 49) |
|      | TuTh 11:00am - 12:50pm | PHY 1402          |

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**PHYS420 Principles of Modern Physics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH246. And PHYS271 and PHYS270; or PHYS273. Credit only granted for: PHYS371 or PHYS420.*

*A survey of atomic and nuclear phenomena and the main trends in modern physics. Appropriate for students in engineering and other physical sciences.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Jay Sau            | Seats (Total: 40) |
|      | MW 3:30pm - 4:45pm | PHY 0405          |

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**PHYS431 Properties of Matter**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS271, PHYS270, and MATH241; and (PHYS401 or PHYS420). Also offered as: ENMA460. Credit only granted for: ENMA460 or PHYS431.*

*Introduction to solid state physics. Electromagnetic, thermal, and elastic properties of metals, semiconductors, insulators and superconductors.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Ichiro Takeuchi    | Seats (Total: 15) |
|      | MW 5:00pm - 6:15pm | CHE 2108          |

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**PHYS475 Introduction to Relativity, Gravitation and Cosmology**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS373 and PHYS410; or permission of instructor. Restriction: Permission of CMNS-Physics department. Additional information: Intended primarily for undergraduate physics majors.*

*Review of special relativity, followed by a study of the equivalence principle, curved spacetimes, and Einstein's equations. Selected applications to the solar system, stellar structure, black holes, gravitational waves, and cosmology.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Bei Lok Hu         | Seats (Total: 10) |
|      | MW 1:00pm - 2:15pm | PSC 3150          |

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**PHYS485      Electronic Circuits**

(Perm req)

Credits: 4

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS405. Corequisite: PHYS374. Restriction: Must be in a major within CMNS-Physics department.*

*Theory and application to experimental physics of modern semiconductor analog and digital circuits. Emphasis on understanding passive and active elements in practical circuits. Topics span the range from simple transistor circuits to microcomputers.*

Additional Note: Also offered as PHYS685. Credit only granted for PHYS485 or PHYS685.

|      |                    |                   |     |
|------|--------------------|-------------------|-----|
| 0101 | Daniel Lathrop     | Seats (Total: 24) |     |
|      | MF 2:00pm - 2:50pm | CHE 2136          |     |
|      | W 1:00pm - 4:50pm  | PHY 3321          | Lab |
| 0102 | Daniel Lathrop     | Seats (Total: 18) |     |
|      | MF 2:00pm - 2:50pm | CHE 2136          |     |
|      | Tu 1:00pm - 4:50pm | PHY 3321          | Lab |

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**PHYS499A      Special Problems in Physics**

(Perm req)

Credits: 1-6

Grading Method: Regular,  
Pass-Fail, Audit

*Research or special study. Credit according to work done.*

**Contact department for information to register for this course.**

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**PHYS499B      Special Problems in Physics**

(Perm req)

Credits: 1-16

Grading Method: Regular,  
Pass-Fail, Audit

*Research or special study. Credit according to work done.*

**Contact department for information to register for this course.**

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**PHYS601      Theoretical Dynamics**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: PHYS410; or students who have taken courses with comparable content may contact the department.*

*Lagrangian and Hamiltonian mechanics, two-body central force problem, rigid body motion, small oscillations, continuous systems.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Kaustubh Agashe       | Seats (Total: 49) |
|      | TuTh 12:30pm - 1:45pm | HBK 0115          |

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**PHYS604      Methods of Mathematical Physics**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Must have completed coursework in advanced calculus; and (PHYS411 and PHYS410). Or students who have taken courses with comparable content may contact the department.*

*Ordinary and partial differential equations of physics, boundary value problems, Fourier series, Green's functions, complex variables and contour integration.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Zohreh Davoudi        | Seats (Total: 50) |
|      | TuTh 9:30am - 10:45am | ATL 1113          |

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**PHYS622      Introduction to Quantum Mechanics I**

(Perm req)

Credits: 4      Grading Method: Regular,  
Audit

*Prerequisite: Must have an outstanding undergraduate background in physics.*

*First and second semesters. A study of the Schrodinger equation, matrix formulations of quantum mechanics, approximation methods, scattering theory, etc. Applications to solid state, atomic, and nuclear physics.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0201 | Victor Yakovenko     | Seats (Total: 67) |
|      | MW 10:00am - 10:50am | ATL 1113          |
|      | F 10:00am - 11:50am  | ATL 1113          |

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**PHYS624      Advanced Quantum Mechanics**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: PHYS623.*

*Relativistic wave equations, second quantization in many body problems and relativistic wave equations, Feynman-Dyson perturbation theory, applications to many body problems, application to quantum electrodynamics, elements of renormalization.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Theodore Jacobson     | Seats (Total: 38) |
|      | TuTh 9:30am - 10:45am | SPH 0302          |

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**PHYS662      Intersections of Technology and Policy: Modernizing the Energy System**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Graduate Status in one of the Natural Sciences, Engineering, Public Policy, Economics OR senior-level standing in one of the disciplines above with at least a 3.0 GPA.*

*A broad, practical introduction to the issues and assessment approaches used to evaluate technical innovation in the Energy System. Introduction to the use of Sankey Diagrams, Life Cycle Analysis, Techno-economic analysis, and Equilibrium Economic Analysis, as well as policy factors such as Energy Efficiency Standards, Vehicle Fuel Economy, Feed-in-tariffs and environmental regulations.*

Also offered as PLCY699B. Credit granted for PHYS662 or PLCY699B.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Ellen Williams        | Seats (Total: 18) |
|      | TuTh 9:30am - 10:45am | IPT 1116          |

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**PHYS675      Introduction to Relativity, Gravitation and Cosmology**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: PHYS606 and PHYS601.*

*Review of special relativity, followed by a study of the equivalence principle, curved spacetimes, and Einstein's equations. Selected applications to the solar system, stellar structure, black holes, gravitational waves, and cosmology.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Bei Lok Hu         | Seats (Total: 28) |
|      | MW 1:00pm - 2:15pm | PSC 3150          |

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**PHYS685      Research Electronics**

(Perm req)

Credits: 4      Grading Method: Regular

*Prerequisite: PHYS374 or PHYS405; or students who have taken courses with comparable content may contact the department. Restriction: Must not have completed PHYS485. Credit only granted for: PHYS485 or PHYS685.*

*An integrated lecture and laboratory course in electronics with equal emphasis on experimental methods and results and analysis using device models and up-to-date mathematical and numerical tools. Experiments and analysis of circuits with passive and single active devices form the background for the study of operational amplifiers, digital integrated circuits and systems, and microcomputers. The general topics of impedance matching, frequency response, feedback, interfacing and the extraction of signal from noise are stressed.*

Additional Note: Also offered as PHY485. Credit only granted for PHYS685 or PHYS485.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Daniel Lathrop     | Seats (Total: 24) |
|      | MF 2:00pm - 2:50pm | CHE 2136          |
|      | W 1:00pm - 4:50pm  | PHY 3321 Lab      |
| 0102 | Daniel Lathrop     | Seats (Total: 18) |
|      | MF 2:00pm - 2:50pm | CHE 2136          |
|      | Tu 1:00pm - 4:50pm | PHY 3321 Lab      |

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## **PHYS709 Seminar in General Physics; Statistical Physics**

Credits: 1                      Grading Method: Regular,  
Audit

Also offered as CHPH709B.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | John Weeks         | Seats (Total: 30) |
|      | Tu 1:15pm - 2:30pm | IPT 1116          |

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## **PHYS715 Chaotic Dynamics**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: PHYS601.*

*Theory and applications of chaos in dynamical systems including such topics as strange attractors, Lyapanov exponents, quasiperiodicity, period doubling, intermittency, crises, fractal basin boundaries, chaotic scattering, KAM tori, and quantum chaos.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Edward Ott           | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm | CSI 2118          |

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## **PHYS721 Atomic and Optical Physics I (Survey)**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: PHYS623.*

*A survey of topics involving the physics of atoms and their interaction with radiation, including atoms in external fields, lasers, atomic spectroscopy and atomic structure.*

|      |                               |                   |
|------|-------------------------------|-------------------|
| 0101 | Trey Porto, Gretchen Campbell | Seats (Total: 25) |
|      | WF 2:30pm - 3:45pm            | ATL 1106          |

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**PHYS728 Seminar in Atomic and Molecular Physics**

Credits: 1                      Grading Method: Regular,  
Audit

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Steven Rolston      | Seats (Total: 30) |
|      | M 11:00am - 12:50pm | ATL 2400          |

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**PHYS738 Seminar in Experimental Solid State Physics; Quantum Mechanical Many-Body Problems**

Credits: 1                      Grading Method: Regular,  
Audit

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Johnpierre Paglione | Seats (Total: 15) |
|      | Th 2:00pm - 3:50pm  | PHY 1201          |

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**PHYS739 Seminar in Theoretical Solid State Physics; Quantum Mechanical Many-Body Problems**

Credits: 1                      Grading Method: Regular,  
Audit

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Sankar Das Sarma     | Seats (Total: 15) |
|      | Tu 11:00am - 12:15pm | PHY 2205          |

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**PHYS748 Seminar in Experimental Nuclear Physics**

Credits: 1                      Grading Method: Regular,  
Audit

|      |                              |                   |
|------|------------------------------|-------------------|
| 0101 | Elizabeth Beise, Carter Hall | Seats (Total: 24) |
|      | W 2:30pm - 4:00pm            | PHY 2202          |

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**PHYS749 Seminar in Theoretical Nuclear Physics**

Credits: 1                      Grading Method: Regular,  
Audit



|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Xiangdong Ji      | Seats (Total: 20) |
|      | W 4:00pm - 6:00pm | PHY 1219          |

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**PHYS758E Seminar in Elementary Particles and Quantum Field Theory; Seminar in Elementary Particles and Quantum Field Theory**

Credits: 1                      Grading Method: Regular,  
Audit

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Sarah Eno         | Seats (Total: 25) |
|      | W 4:00pm - 5:50pm | PHY 1201          |

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**PHYS759 Seminar in Elementary Particles and Quantum Field Theory**

Credits: 1                      Grading Method: Regular,  
Audit

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Kaustubh Agashe   | Seats (Total: 15) |
|      | M 3:00pm - 4:00pm | EGR 3111          |

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**PHYS761 Plasma Physics I: Survey**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: PHYS606 and PHYS604.*

*A detailed study of plasma physics. The first semester treats particle orbit theory, magnetohydrodynamics, plasma waves, and transport phenomena.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | James Drake            | Seats (Total: 25) |
|      | TuTh 11:00am - 12:15pm | CHE 2136          |

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**PHYS769 Seminar in Plasma Physics**

Credits: 1                      Grading Method: Regular,  
Audit

Class will meet in ERF 1207.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Adil Hassam       | Seats (Total: 35) |
|      | W 4:00pm - 5:15pm | PHY 1402          |

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**PHYS778 Seminar in Space and Cosmic Ray Physics**

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Eun-Suk Seo       | Seats (Total: 20) |
|      | M 4:30pm - 5:45pm | ATL 2400          |

(Perm req)

*Projects or special study in advanced physics.*

**Contact department for information to register for this course.**

*Projects or special study in advanced physics.*

|      |                    |                    |
|------|--------------------|--------------------|
| 0101 | Thomas Cohen       | Seats (Total: 160) |
|      | Tu 3:30pm - 6:00pm | PHY 1412           |

*Projects or special study in advanced physics.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Daniel Lathrop, Edward Ott | Seats (Total: 10) |
|      | Th 12:30pm - 1:30pm        | ERF 1207          |

*Projects or special study in advanced physics.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Arpita Upadhyaya  | Seats (Total: 10) |
|      | M 4:00pm - 5:30pm | CHM 0112          |

**PHYS798T Special Problems in Advanced Physics; Interdisciplinary Network Science Seminar**

*Projects or special study in advanced physics.*

|      |                                 |                   |
|------|---------------------------------|-------------------|
| 0101 | Michelle Girvan, Daniel Serrano | Seats (Total: 25) |
|      | F 1:30pm - 2:20pm               | Location: TBA     |

(Perm req)

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

Credits: 2      Grading Method: Regular, Audit

*Credit according to work done.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Christopher Lobb  | Seats (Total: 50) |
|      | M 4:00pm - 5:50pm | PHY 1201          |

Credits: 1      Grading Method: Regular,  
Audit

*Credit according to work done.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Sankar Das Sarma  | Seats (Total: 20) |
|      | F 4:00pm - 7:00pm | PHY 1201          |

Credits: 3      Grading Method: Regular,  
Audit

*Credit according to work done.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Raman Sundrum          | Seats (Total: 15) |
|      | TuTh 11:00am - 12:30pm | PSC 3150          |

## PHYS898 Pre-Candidacy Research

(Perm req)

Credits: 1-8

Grading Method: Regular

**Contact department for information to register for this course.**

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**PHYS899**

**Doctoral Dissertation Research**

(Perm req)

Credits: 6

Grading Method: Regular

**Contact department for information to register for this course.**

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**PLCY**

**Public Policy**

**Fall 2017**

**PLCY100**

**Foundations of Public Policy**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*A survey course, focusing on public policy institutions and analytical issues as well as on overview of key public policy problems. Students will be introduced to public policy as a discipline, with a brief overview of the actors and institutions involved in the process, and familiarize themselves with the kinds of problems typically requiring public action. The course will examine these problems from a multijurisdictional and multisectoral perspective. Specific policy areas examined include education policy, health policy, economic and budgetary policy, criminal justice policy, environmental policy, and national and homeland security policy. The course should permit students to have broad foundational exposure to the field that will give them a solid base for more advanced courses.*

|      |                      |                   |            |  |
|------|----------------------|-------------------|------------|--|
| 0101 | Donald Kettl         | Seats (Total: 25) |            |  |
|      | MW 10:00am - 10:50am | KEY 0106          |            |  |
|      | F 10:00am - 10:50am  | EDU 1107          | Discussion |  |
| 0102 | Donald Kettl         | Seats (Total: 25) |            |  |
|      | MW 10:00am - 10:50am | KEY 0106          |            |  |
|      | F 10:00am - 10:50am  | EDU 2101          | Discussion |  |
| 0103 | Donald Kettl         | Seats (Total: 25) |            |  |
|      | MW 10:00am - 10:50am | KEY 0106          |            |  |
|      | F 11:00am - 11:50am  | EDU 1107          | Discussion |  |
| 0104 | Donald Kettl         | Seats (Total: 25) |            |  |
|      | MW 10:00am - 10:50am | KEY 0106          |            |  |
|      | F 11:00am - 11:50am  | EDU 2101          | Discussion |  |
| 0105 | Donald Kettl         | Seats (Total: 25) |            |  |
|      | MW 10:00am - 10:50am | KEY 0106          |            |  |
|      | F 11:00am - 11:50am  | TLF 1103          | Discussion |  |

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**PLCY201****Leadership for the Common Good**

Credits: 3

Grading Method: Regular

General Education: DSHS,  
DSSP, SCIS*Credit only granted for: PLCY201 or PUA201. Formerly: PUA201.**This course is designed to provide undergraduate students an introduction to leadership theory and a chance to practice a core set of practical skills relevant to transformational and collaborative leadership.*

Restriction: Must be in the College Park Scholars Public Leadership program; and freshman standing.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Susannah Washburn    | Seats (Total: 33) |
|      | TuTh 2:00pm - 3:15pm | CCC 1205          |
| 0102 | Susannah Washburn    | Seats (Total: 33) |
|      | TuTh 2:00pm - 3:15pm | CCC 1205          |
| 0103 | Susannah Washburn    | Seats (Total: 34) |
|      | TuTh 2:00pm - 3:15pm | CCC 1205          |
| FC01 | Eric Luedtke         | Seats (Total: 45) |
|      | TuTh 3:00pm - 4:15pm | TLF 1126          |

**PLCY203****Liberty and Justice for All: Ethics and Moral Issues in Public Policy**

Credits: 3

Grading Method: Regular

*PLCY 203- Liberty and Justice for All: Ethics and Moral Issues in Public Policy provides each student with an opportunity to develop the ability to think in sophisticated ways about morally difficult policy issues.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Jennifer Littlefield  | Seats (Total: 55) |
|      | TuTh 12:30pm - 1:45pm | SHM 2102          |

**PLCY214****Leading and Investing in Social Change: Re-defining and Experimenting with Philanthropy**

(Perm req)

Credits: 3

Grading Method: Regular

General Education: DSSP,  
SCIS*Credit only granted for: PLCY214, PUA214 or PUA359I. Formerly: PUA359I, PUA214.**Defines philanthropy as an exploration of how one develops a vision of the public good and then deploys resources (including donations, volunteers, and voluntary associations) to achieve an impact.*

|   |                      |                   |
|---|----------------------|-------------------|
| 0101  | Patricia Bory        | Seats (Total: 65) |
|   | TuTh 2:00pm - 3:15pm | EAS 0102          |
| <i>Restricted to students in the iGive Living Learning Program.</i> |                      |                   |

### PLCY300

#### **Governance: Collective Action in the Public Interest**

Credits: 3                      Grading Method: Regular

*PLCY 300: Governance: Collective Action in the Public Interest uses myriad examples drawn from both the public and private spheres to explore a vitally important family of problems: the challenges associated with sustaining public goods, policies supportive of general (as opposed to particularistic) interests, and efforts to assist hard-to-mobilize clienteles.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Miguel Gonzalez-Marcos | Seats (Total: 35) |
|      | W 1:30pm - 4:00pm      | TWS 1310          |

### PLCY301

#### **Sustainability**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Also offered as: AGNR301. Credit only granted for: AGNR301, PUA301, or PLCY301. Formerly: PUA301.*

*Designed for students whose academic majors would be enhanced by the complementary study of a widely shared but hard-to-operationalize aspiration: that present choices should preserve or improve future options rather than foreclose or degrade them. How should we understand sustainability? How might we achieve it? How would we know if we had achieved it? And how could sustainability activists of a rising generation lead by example?*

|      |                       |                    |
|------|-----------------------|--------------------|
| 0101 | Daria Scala           | Seats (Total: 165) |
|      | TuTh 12:30pm - 1:45pm | LEF 2205           |

### PLCY302

#### **Leadership: Philosophy, Policy and Praxis**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: PLCY302 or PUA302. Formerly: PUA302.*

*Leadership as a search for meaning, identity and purpose are explored. Also introduces major philosophical traditions, from the ancient world to the modern one, and encourages students to ground their leadership interests and aspirations in a disciplined process of self-reflection, critical thinking and inquiry.*

Restriction: Must be in the Rawlings Undergraduate Leadership Fellows Program.

|      |   |                   |
|------|---|-------------------|
| 0101 | Eric Luedtke                                  | Seats (Total: 27) |
|      | W 4:15pm - 6:45pm                             | TLF 1126          |
|      | Contact instructor or department for details. |                   |

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**PLCY304      Evaluating Evidence: Finding Truth in Numbers**

Credits: 3                      Grading Method: Regular

*Prerequisite: STAT100.*

*Enables students to understand the research done by others with a sufficiently skeptical eye to allow them to determine whether the findings of the research are valid given the assumptions made and methods used. This will involve, in part, thinking about the various problems in research design or conduct that could lead to faulty conclusions. It will also involve being able to differentiate between credible sources of information and those that are not objective. At the conclusion of the course, students should be able to differentiate objective evidence from political argumentation.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Michael Busse     | Seats (Total: 20) |
|      | M 2:00pm - 4:30pm | TLF 1126          |

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**PLCY311      Women in Leadership**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: PUAF311, PLCY311 or PUAF359W. Formerly: PUAF359W.*

*Examines the role of women in the leadership process including the participation of women as activists, voters, advocates, public leaders and as agents of change through various avenues including, among others, public service (elected and appointed), the media, community service, political organizations, and the nonprofit sector.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Anne Kaiser        | Seats (Total: 25) |
|      | Tu 4:15pm - 6:45pm | TLF 1126          |

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**PLCY313      Advocacy in the American Political System**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: PUAF313, PLCY313 or PUAF359C. Formerly: PUAF359C.*

*Introduces students to the creation of law through the legislative process with a special focus on the Maryland General Assembly.*

|      |                   |                    |
|------|-------------------|--------------------|
| 0101 | Gerard Evans      | Seats (Total: 120) |
|      | M 2:00pm - 4:35pm | ATL 2324           |

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**PLCY349 Internship in Political Institutions: State and Local**

(Perm req)

Credits: 3-6      Grading Method: Regular

*Offers students supervised internship placements in state and local political or public policy organizations.*

Also offered as BSOS349.

|      |   |                  |
|------|---|------------------|
| 0101 | Jennifer Littlefield                          | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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**PLCY359A Contemporary Issues in Political Leadership and Participation; Asian American Social Policy and Community Advocacy**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics in political leadership and participation.*

Also offered as AAST398B. Credit granted for AAST398B or PLCY359A. This course focuses on how Asian and Pacific Americans are represented in government and throughout social policies in the United States. The ways in which racial and gender dynamics intersect with migration policy, community development, and other pressing issues is explored.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Tuyet Duong          | Seats (Total: 25) |
|      | TuTh 8:00am - 9:15am | SQH 1107          |

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**PLCY359M Contemporary Issues in Political Leadership and Participation; Leadership in the Information Age**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics in political leadership and participation.*

Explores the role of leadership and performance management in public administration. This will include the examination of fundamental principles of performance measurement, the identification and application of different performance measurement techniques and strategies, and the evaluation of best practices within the field. The course will also explore the characteristics of effective, purpose-driven leadership.



|      |                    |                    |
|------|--------------------|--------------------|
| 0101 | Martin O'Malley    | Seats (Total: 240) |
|      | Th 4:15pm - 6:45pm | ESJ 0224           |

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**PLCY386      Experiential Learning**

(Perm req)

Credits: 3-6      Grading Method: Regular

*Prerequisite: Permission of PLCY-School of Public Policy. Repeatable to 12 credits if content differs. Credit only granted for: PLCY386 or PUA386. Formerly: PUA386.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Nina Harris                                   | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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**PLCY388      Special Topics in Public Policy**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Advanced special topics focusing on an interdisciplinary topic related to Public Policy.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Nina Harris                                   | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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**PLCY388T      Special Topics in Public Policy; Undergraduate Teaching Assistant Directed Study**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Advanced special topics focusing on an interdisciplinary topic related to Public Policy.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Nina Harris                                   | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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**PLCY610      Quantitative Aspects of Public Policy**

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY610 or PUA610. Formerly: PUA610.*

*Introduces statistical methods needed for evaluating and choosing among policy options. Topics include probability; decision-making under uncertainty; the organization, interpretation, and visual display of complex data; prediction and inferences about causality; hypothesis testing; and linear and multiple regression. Develops analytical skills and the ability to apply theory to complex, real-world problems.*

|      |                     |                   |            |
|------|---------------------|-------------------|------------|
| 0201 | Jaganath Sankaran   | Seats (Total: 30) |            |
|      | W 4:15pm - 6:45pm   | VMH 1203          |            |
|      | M 4:15pm - 6:45pm   | VMH 1207          | Discussion |
| 0401 | Alec Worsnop        | Seats (Total: 30) |            |
|      | Th 9:15am - 11:45am | VMH 1207          |            |
|      | M 9:15am - 11:45am  | VMH 1207          | Discussion |

## PLCY611

### Quantitative Analysis of Policy Issues

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY611 or PUAF611. Formerly: PUAF611.*

*Study of a series of problems and the development of quantitative techniques to describe or evaluate the problem. The organization and interpretation of complex data and its use for prediction and inference about casual effects. The definition of objectives, trade-offs among objectives, and allocation of resources to meet objectives. Sensitivity of outcomes to changing conditions.*

|      |                   |                   |            |
|------|-------------------|-------------------|------------|
| 0101 | Seth Weissman     | Seats (Total: 20) |            |
|      | W 4:15pm - 6:45pm | VMH 1207          |            |
|      | M 4:15pm - 6:45pm | PKT 1221          | Discussion |

## PLCY620

### Political Analysis

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY620 or PUAF620. Formerly: PUAF620.*

*Examination of politics as a process for allocating scarce resources among claimants for public benefits. Comparision of the allocative model of politics with other distributive processes, such as markets. Comparison of the model with behavior of different political institutions, such as Congress and the presidency. Study of politics as a process with distinctive concepts of rationality. The translation of voter and interest group preferences into public choices. The impact of political decisions on competing constituencies.*

**Contact department for information to register for this course.**

## PLCY640

### Microeconomic and Policy Analysis

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY640 or PUAF640. Formerly: PUAF640.*

*Applies intermediate microeconomic theory to public policy issues: resource allocation by firms and consumers; the response of economic agents to changes in incentives; market allocations in competitive and non-competitive environments; and market failures and government remedies. Uses extended case studies of particular issues in such areas as the environment (acid rain), international trade (tariffs), industry regulation (cable TV), and the provision of public goods (highways).*

|      |                    |                   |            |
|------|--------------------|-------------------|------------|
| 0201 | Michael Busse      | Seats (Total: 40) |            |
|      | Th 1:30pm - 4:00pm | VMH 1203          |            |
|      | Tu 1:30pm - 4:00pm | VMH 1203          | Discussion |
| 0401 | Michael Busse      | Seats (Total: 40) |            |
|      | M 7:00pm - 9:30pm  | VMH 1203          |            |
|      | F 4:15pm - 6:45pm  | PKT 1221          | Discussion |

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## **PLCY641      Macroeconomics and Policy Analysis**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY641 or PUAF641. Formerly: PUAF641.*

*Studies the behavior of the economy as a whole: the level of national income, unemployment, and inflation; the vulnerability of the U.S. economy to external influences; possible federal influence over the level of economic activity; and the consequences for prices, employment and the U.S. trade deficit. Also examines possible U.S. policy responses to widespread debt crises in developing countries.*

**Contact department for information to register for this course.**

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## **PLCY650      Moral Dimensions of Public Policy**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY650 or PUAF650. Formerly: PUAF650.*

*Explores the moral issues involved in public policy questions; the limits and usefulness of decision-making tools; problems of choosing, justifying and using criteria to judge a program's success and suitability; ethical issues involving the welfare state and income distribution; and possible obligations beyond one's political community and generation.*

**Contact department for information to register for this course.**

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## **PLCY670      Public Budgeting & Financial Management**

Credits: 3      Grading Method: Regular, Audit

*Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PL YC670 or PUA670. Formerly: PUA670.*

*Covers how governments raise, spend, borrow, and manage public funds. Reviews federal, state, and local budget processes and introduces analytical techniques including basic spreadsheet skills, evaluating alternative revenue sources, revenue and expenditure forecasting, cost allocation, capital budgeting, cost-benefit analysis, discounting and present value, bond analysis, cash management and intergovernmental finance.*

Prerequisites PUAF 610 and 640.

**Contact department for information to register for this course.**

## PLCY671 Public Sector Finance

Credits: 3      Grading Method: Regular, Audit

*Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY671 or PUA671. Formerly: PUA671.*

*The goal of this course is to provide a useful overview of basic public sector financial management principles in a simulated managerial situation to midcareer students currently working in government and nonprofit organizations.*

**Contact department for information to register for this course.**

**PLCY688A**      **Topics in Public Policy; Comparative Political Institutions**

Credits: 3      Grading Method: Regular,  
Audit

*Special topics in Public Policy.*

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

**Contact department for information to register for this course.**

**PLCY688E**      **Topics in Public Policy; Governance: Normative & Political Dimensions**

Credits: 3      Grading Method: Regular, Audit

*Special topics in Public Policy.*

PUAF major or permission of instructor.

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Miguel Gonzalez-Marcos<br>Th 4:15pm - 6:45pm | Seats (Total: 20)<br>VMH 1203 |
| 0201 | David Falk<br>W 9:15am - 11:45am             | Seats (Total: 20)<br>VMH 1203 |
| 0301 | Catherine Worsnop<br>Th 9:15am - 11:45am     | Seats (Total: 20)<br>VMH 1107 |
| 0401 | Miguel Gonzalez-Marcos<br>Th 7:00pm - 9:30pm | Seats (Total: 21)<br>VMH 1207 |

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**PLCY688G      Topics in Public Policy; Governance: Leadership, Management and Accountability**

Credits: 3                      Grading Method: Regular,  
   Audit  
*Special topics in Public Policy.*

|      |                                   |                               |
|------|-----------------------------------|-------------------------------|
| 0101 | Donald Kettl<br>W 1:30pm - 4:00pm | Seats (Total: 20)<br>VMH 1107 |
|------|-----------------------------------|-------------------------------|

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**PLCY688I      Topics in Public Policy; Macroeconomic Analysis**

Credits: 2                      Grading Method: Regular,  
   Audit  
*Special topics in Public Policy.*

Restricted to PLCY majors or permission of instructor.

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Seth Weissman<br><b>Meets August 28, 2017 - October 14, 2017</b><br>MW 1:30pm - 4:00pm | Seats (Total: 25)<br>VMH 1207 |
| 0201 | Seth Weissman<br><b>Meets August 28, 2017 - October 14, 2017</b><br>MW 7:00pm - 9:30pm | Seats (Total: 25)<br>VMH 1207 |

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**PLCY688M      Topics in Public Policy**

Credits: 3      Grading Method: Regular, Audit

*Special topics in Public Policy.*

**Contact department for information to register for this course.**

**PLCY688R**      **Topics in Public Policy; Public Finance and Budgeting**

Credits: 2      Grading Method: Regular, Audit

*Special topics in Public Policy.*

Restricted to PLCY majors or permission of instructor.

|      |   |                   |
|------|---|-------------------|
| 0101 | Philip Joyce                                      | Seats (Total: 25) |
|      | <b>Meets October 23, 2017 - December 11, 2017</b> |                   |
|      | MW 1:30pm - 4:00pm                                | VMH 1207          |
| 0201 | Juan Martinez Guzman                              | Seats (Total: 25) |
|      | <b>Meets October 23, 2017 - December 11, 2017</b> |                   |
|      | MW 7:00pm - 9:30pm                                | VMH 1207          |

**PLCY688Y**      **Topics in Public Policy; Practicing Public Policy**

Credits: 3      Grading Method: Regular,  
Audit

*Special topics in Public Policy.*

Restricted to PUAF majors or instructor permission.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Robert Grimm        | Seats (Total: 22) |
|      | Tu 4:15pm - 6:45pm  | VMH 1212          |
| 0201 | Elizabeth Duke      | Seats (Total: 22) |
|      | Tu 4:15pm - 6:45pm  | VMH 1212          |
| 0301 | Christopher Foreman | Seats (Total: 22) |
|      | Tu 4:15pm - 6:45pm  | VMH 1212          |
| 0401 | Nathan Hultman      | Seats (Total: 22) |
|      | Tu 4:15pm - 6:45pm  | VMH 1212          |

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**PLCY689A      Public Policy Topics; Acquisitions: Concepts and Management**

Credits: 3                      Grading Method: Regular,  
   Audit

*Special Topics in Public Policy.*

Restricted to PLCY majors or permission of instructor.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | William Lucyshyn  | Seats (Total: 20) |
|      | W 4:15pm - 6:45pm | VMH 1101          |

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**PLCY689J      Public Policy Topics; Food Economics and Health**

Credits: 3                      Grading Method: Regular,  
   Audit

*Special Topics in Public Policy.*

Restriction:: Must be in a major in PUAf-School of Public Policy; or permission of PUAf-School of Public Policy.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Alok Bhargava     | Seats (Total: 20) |
|      | W 1:30pm - 4:00pm | VMH 1101          |

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**PLCY689K      Public Policy Topics; Decision Analysis**

Credits: 3                      Grading Method: Regular,  
   Audit

*Special Topics in Public Policy.*

Restriction:: Must be in a major in PUAf-School of Public Policy; or permission of PUAf-School of Public Policy.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Anand Patwardhan    | Seats (Total: 20) |
|      | Th 9:15am - 11:45am | VMH 1101          |

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**PLCY689Q      Public Policy Topics; Quantitative Methods for Evidence-based Policies**

Credits: 3                      Grading Method: Regular,  
   Audit

*Special Topics in Public Policy.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Alok Bhargava      | Seats (Total: 20) |
|      | W 9:15am - 11:45am | VMH 1107          |

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**PLCY689X      Public Policy Topics; Performance Management and Leadership**

Credits: 3                      Grading Method: Regular,  
   Audit

*Special Topics in Public Policy.*

Restriction: PUAF major or permission of instructor.

**Contact department for information to register for this course.**

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**PLCY689Z      Public Policy Topics; Strategic Management for NonProfit and Public Organizations**

Credits: 3                      Grading Method: Regular,  
   Audit

*Special Topics in Public Policy.*

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Robert Sheehan    | Seats (Total: 30) |
|      | W 7:00pm - 9:30pm | VMH 2505          |

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**PLCY692      Leadership Principles and Practices**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY692 or PUAF692. Formerly: PUAF692.*

*This course will introduce leadership principles and practices to students by focussing on the theory of leadership, different leadership themes and skills, and discussions with practitioners.*

**Contact department for information to register for this course.**

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**PLCY698A      Selected Topics in Public Affairs; Poverty Measurement and Alleviation**

Credits: 3                      Grading Method: Regular,  
   Audit

*Special topics that arise in public policy.*

For PUAF majors only or permission of department.



|      |                                |                   |
|------|--------------------------------|-------------------|
| 0101 | Douglas Besharov, Douglas Call | Seats (Total: 30) |
|      | Th 4:15pm - 6:45pm             | VMH 1101          |

---

**PLCY698C      Selected Topics in Public Affairs; Intelligence and Policy: Executive, Congressional and Public Dimensions**

Credits: 3                      Grading Method: Regular,  
   Audit

*Special topics that arise in public policy.*

Restriction: Must be in a major in PUAf-School of Public Policy.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | William Nolte     | Seats (Total: 20) |
|      | W 4:15pm - 6:45pm | VMH 1107          |

---

**PLCY698G      Selected Topics in Public Affairs; Government Contracting and Pricing**

Credits: 3                      Grading Method: Regular,  
   Audit

*Special topics that arise in public policy.*

Restriction: Must be in a major in PUAf-School of Public Policy; or permission of PUAf-School of Public Policy.

**Contact department for information to register for this course.**

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**PLCY698L      Selected Topics in Public Affairs**

Credits: 3                      Grading Method: Regular,  
   Audit

*Special topics that arise in public policy.*

**Contact department for information to register for this course.**

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**PLCY698N      Selected Topics in Public Affairs; Intelligence and National Security**

Credits: 3                      Grading Method: Regular,  
   Audit

*Special topics that arise in public policy.*

For PUAf majors only or permission of department.

**Contact department for information to register for this course.**

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**PLCY698P      Selected Topics in Public Affairs; Information Policy and Technology**

Credits: 1-3      Grading Method: Regular, Audit

*Special topics that arise in public policy.*

**Contact department for information to register for this course.**

**PLCY698T      Selected Topics in Public Affairs; Managing Across Sectors**

Credits: 3      Grading Method: Regular, Audit

*Special topics that arise in public policy.*

Restriction: Must be in a major in PUA-F-School of Public Policy; or permission of PUA-F-School of Public Policy.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Elizabeth Duke     | Seats (Total: 20) |
|      | M 9:15am - 11:45am | VMH 1203          |

**PLCY698V      Selected Topics in Public Affairs; Managing Social Services**

Credits: 3      Grading Method: Regular

*Special topics that arise in public policy.*

For PUAF majors only or permission of department.

**Contact department for information to register for this course.**

**PLCY698X      Selected Topics in Public Affairs**

Credits: 3      Grading Method: Regular,  
Audit

*Special topics that arise in public policy.*

**Contact department for information to register for this course.**

**PLCY698Z      Selected Topics in Public Affairs; Trends in Counter Terrorism**

Credits: 3      Grading Method: Regular, Audit

*Special topics that arise in public policy.*

**Contact department for information to register for this course.**

**PLCY699A      Selected Topics Public Policy; Asset Management II**

Credits: 3      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

Also offered as PLCY699B. Credit granted for PHYS662 or PLCY699B. A broad, practical introduction to the issues and assessment approaches used to evaluate technical innovation in the Energy System. Introduction to the use of Sankey Diagrams, Life Cycle Analysis, Techno-economic analysis, and Equilibrium Economic Analysis, as well as policy factors such as Energy Efficiency Standards, Vehicle Fuel Economy, Feed-in-tariffs and environmental regulations.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Ellen Williams        | Seats (Total: 18) |
|      | TuTh 9:30am - 10:45am | IPT 1116          |

**Contact department for information to register for this course.**

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

|      |   |                   |
|------|---|-------------------|
| 0101 | Allen Schick  | Seats (Total: 20) |
|      | TuTh 1:15pm - 4:00pm  | VMH 1107          |
|      | <i>Meets only weeks of Aug 28, Sept 4 &amp; 11, Oct 30, Nov 6-27 and Dec 4.</i> |                   |

Credits: 3      Grading Method: Regular, Audit

**Contact department for information to register for this course.**

Credits: 3      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

Credits: 3      Grading Method: Regular, Audit

**Contact department for information to register for this course.**

Credits: 3      Grading Method: Regular, Audit

**Contact department for information to register for this course.**

Credits: 2      Grading Method: Regular,  
Audit

Restricted to PLCY majors or permission of instructor.

|      |   |                   |
|------|---|-------------------|
| 0101 | Toby Egan   | Seats (Total: 20) |
|      | Th 1:30pm - 4:00pm  | VMH 2101F         |
|      | <i>Management &amp; Leadership, Public Sector Financial Management, and Non-Profit/Philanthropy projects.</i> |                   |
| 0201 | Douglas Besharov, Douglas Call  | Seats (Total: 20) |
|      | Th 7:00pm - 9:30pm  | VMH 1203          |
|      | <i>Program evaluation and cost-benefit analysis projects with any specialization.</i>                         |                   |

|      |   |                               |
|------|---|-------------------------------|
| 0211 | Douglas Besharov, Douglas Call<br>Th 7:00pm - 9:30pm<br><i>Program evaluation and cost-benefit analysis projects with any specialization.</i> | Seats (Total: 20)<br>VMH 1203 |
| 0301 | Robert Nelson<br>Th 7:00pm - 9:30pm<br><i>Environmental, Energy, and other projects.</i>  | Seats (Total: 20)<br>VMH 1101 |
| 0311 | Anand Patwardhan<br>Th 1:30pm - 4:00pm<br><i>Environmental and Energy projects.</i>   | Seats (Total: 20)<br>PKT 1221 |
| 0401 | I M Mac Destler, Jonas Siegel<br>Th 1:30pm - 4:00pm<br><i>International security and economic policy projects.</i>                            | Seats (Total: 20)<br>VMH 1207 |
| 0411 | I M Mac Destler, Jonas Siegel<br>Th 1:30pm - 4:00pm<br><i>International security and economic policy projects.</i>                            | Seats (Total: 20)<br>VMH 1207 |
| 0501 | David Crocker<br>Th 1:30pm - 4:00pm<br><i>International development projects.</i>   | Seats (Total: 20)<br>PKT 1224 |
| 0511 | Douglas Besharov, Douglas Call<br>Th 7:00pm - 9:30pm<br><i>Program evaluation and cost-benefit analysis projects with any specialization.</i> | Seats (Total: 20)<br>VMH 1203 |
| 0521 | Angela Bies<br>Th 1:30pm - 4:15pm<br><i>For approved students in India travel course.</i>   | Seats (Total: 20)<br>VMH 1101 |

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**PLCY699X**
**Selected Topics Public Policy; Organizational Behavior**

Credits: 3                      Grading Method: Regular,  
   Audit

*Special topics that arise in public policy.*

**Contact department for information to register for this course.**

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## U.S. Trade: Policy and Politics

*Prerequisite: PUA641, PUA620, and PUA640. Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY700 or PUA700. Formerly: PUA700.*

*Interplay between government and private interests in shaping official actions that affect international trade. Policy tools available to influence balance, magnitude, and composition of imports and exports. Evolution of executive, congressional and quasi-judicial government institutions under increased U.S. international trade exposure and trade deficit.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Susan Schwab        | Seats (Total: 22) |
|      | Th 9:15am - 11:45am | VMH 1203          |

## Public Management and Leadership

*Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY711 or PUA711. Formerly: PUA711.*

*Reviews the managerial, political, and ethical problems faced by public sector managers and leaders, including setting an organization's goals, obtaining and protecting a program mandate, designing a service delivery system and implementing a new program.*

**Contact department for information to register for this course.**

## Analysis of Fiscal Conditions

*Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY712 or PUA712. Formerly: PUA712.*

*The financial operations of U.S. government at various levels, with emphasis on local governments. Practical problems in revenue management, including revenue forecasting and cash flow analysis; debt management operations, such as borrowing; intergovernmental financial operations, such as grants management and reporting requirements, and personnel management issues that have a direct bearing on governmental finances.*

**Contact department for information to register for this course.**

## Government and Non-Profit Accounting

Credits: 3      Grading Method: Regular, Audit

*Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY715 or PUA715. Formerly: PUA715.*

*Basic accounting practices of governmental and non-profit organizations. Emphasis on presentation of data in assessing an organization's financial health, financial data by organizations, structuring of accounting information to achieve management control, way in which evolving national standards influence kinds of information organizations have to apply in the future.*

**Contact department for information to register for this course.**

## PLCY716 State and Local Government Budgeting

Credits: 3      Grading Method: Regular, Audit

*Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY716 or PUA716. Formerly: PUA716.*

*State and local government practices as a laboratory for studying public sector financial management.*

**Contact department for information to register for this course.**

## PLCY717 Federal Budgeting: Policy and Process

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY717 or PUA717. Formerly: PUA717.*

*Budgeting as a political and administrative instrument of government. Development of budgeting, the multiple uses of the budget, including role in fiscal policy and resource allocation, the roles and relationships of major participants, and effects of resource scarcity on budgeting behavior. Emphasis on the federal level.*

**Contact department for information to register for this course.**

## PLCY720 International Security Policy

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY720 or PUA720. Formerly: PUA720.*

*Reviews the principal features of international security as currently practiced. Traces the evolution of contemporary policy beginning with the initiation of nuclear weapons programs during World War II. Particular emphasis is given to experience of the United States and Russia, since the historical interaction between these two countries has disproportionately affected the international security conditions that all other countries now experience.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Jaganath Sankaran  | Seats (Total: 20) |
|      | Tu 4:15pm - 6:45pm | VMH 1101          |

## PLCY722 Terrorism and Democracy

Credits: 3      Grading Method: Regular, Audit

*Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY722 or PUA722. Formerly: PUA722.*

*United States government's decision process for dealing with crises; the options available to a president for deterring and handling incidents of terrorism, and how a president can and should select between the options.*

**Contact department for information to register for this course.**

## PLCY724 Problems of Global Security

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY724 or PUA724. Formerly: PUA698W and PUA724.*

*Explores the international security implications of globalization, presenting evidence indicating that altered circumstances will eventually induce a major redesign of prevailing security arrangements. Includes three segments: 1) a review of the principal problems that have been the focus of established security policy and would be the context for any major adjustment of policy; 2) an assessment of relationships with the major countries where traditional problems are most acutely present; and 3) a review of the organizing principles that can be expected to emerge in the new situation.*

**Contact department for information to register for this course.**

**PLCY734 Foundations of Social Policy**

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in a major in PLCY-School of Public Policy. Credit only granted for: PLCY734 or PUA734. Formerly: PUA734.*



*Provides an overview of government's role in social policy and the history of the development of federal and state policies with respect to welfare, aging, education, and housing. Analyzes current federal institutions and legislation in the same policy areas and the demographic history of the United States. Develops skills in analytic writing and presentation of descriptive data.*

**Contact department for information to register for this course.**

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**PLCY735      Health Policy**

Credits: 3                      Grading Method: Regular,  
   Audit

*Credit only granted for: PLCY735 or PUA735. Formerly: PUA735.*

*Analyzes the origins, history, status, and future of health care as problems in political and economic theory and as puzzles in policy formation. Considers current American reform controversies in the light of several disciplines and in comparison to foreign experiences and structures.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Robert Sprinkle     | Seats (Total: 20) |
|      | Tu 9:15am - 11:45am | VMH 1203          |

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**PLCY737      Strategies of Equality**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY737 or PUA737. Formerly: PUA698Y and PUA737.*

*Concentrates on the institutional and political means by which disadvantaged segments of the United States population have sought to enhance their social, economic and political prospects. Race, gender and disability are the substantive focal points, with considerable attention given to the challenges of African American socio-political uplift. Also explores legislation, litigation, administration, agitation (i.e. protest), and constitutional reform. Students become familiar with alternative conceptions of equality and the modes of argument employed in different institutional and political contexts.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Christopher Foreman | Seats (Total: 20) |
|      | W 7:00pm - 9:30pm   | VMH 1203          |

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**PLCY741      Global Environmental Problems**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY741 or PUA741. Formerly: PUA741.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Anand Patwardhan   | Seats (Total: 40) |
|      | Th 4:15pm - 6:45pm | VMH 1207          |

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Thomas Hilde      | Seats (Total: 20) |
|      | W 7:00pm - 9:30pm | VMH 1107          |

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Charles Field     | Seats (Total: 20) |
|      | M 4:15pm - 6:50pm | VMH 1107          |

*Prerequisite: PUA752. Credit only granted for: PUA698C, PUA753 or PLCY753. Formerly: PUA698C and PUA753.*

**Contact department for information to register for this course.**

**Contact department for information to register for this course.**

**Contact department for information to register for this course.**

**Contact department for information to register for this course.**

Credits: 3      Grading Method: Regular, Audit

*Restriction: Must be enrolled in the executive training program sponsored by the Department of Housing and Urban Development. Credit only granted for: PLCY773 or PUA773. Formerly: PUA773.*

*Issues and strategies applicable to urban, suburban, and rural areas. Field experience and a team exercise, using the case study method, will give an opportunity for concrete application of the concepts to a specific set of community problems.*

**Contact department for information to register for this course.**

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**PLCY774      Asset Management**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Must be enrolled in the executive training program sponsored by the Department of Housing and Urban Development. Credit only granted for: PLCY774 or PUA774. Formerly: PUA774.*

*Asset manager's role at each stage of the property's life cycle and property analysis, including cash flow debt and staffing. Topics include capital needs; major building systems, costs and useful lives; marketing and outreach; and anti-crime strategies. Field trips to problem properties to perform cost/benefit analysis, diagnose potential cures, and prepare action plans.*

**Contact department for information to register for this course.**

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**PLCY780      The American Foreign Policy-Making Process**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY780 or PUA780. Formerly: PUA780.*

*Survey and analysis of the governmental institutions and processes which shape U.S. global engagement on national security and international economic issues. Particular emphasis is given to executive-congressional relations and the broader domestic roots of foreign policy.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | I M Mac Destler   | Seats (Total: 20) |
|      | M 1:30pm - 4:00pm | VMH 1203          |

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**PLCY781      International Economic Policy**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY781 or PUA781. Formerly: PUA781.*

*Issues and choices facing the United States in today's global economy. Primary, but not exclusive, emphasis is given to "competitive interdependence" among advanced industrial societies.*

|      |                    |                   |            |
|------|--------------------|-------------------|------------|
| 0101 | Phillip Swagel     | Seats (Total: 20) |            |
|      | M 4:15pm - 6:45pm  | VMH 1203          |            |
|      | Th 4:15pm - 6:45pm | PKT 1221          | Discussion |
| 0201 | Phillip Swagel     | Seats (Total: 20) |            |
|      | W 9:15am - 11:45am | VMH 1207          |            |

## PLCY783

### Development and Foreign Aid

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY783 or PUA783. Formerly: PUA7698Q and PUA783.*

*Examines the empirical, conceptual, and ethical dimensions of international development policies and U.S. foreign aid. What is the present character of development in poor countries/regions? How should development be conceived? What development strategies are best? What is and should be the purpose of U.S. foreign aid and development assistance?*

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 0101 | Chloe Schwenke     | Seats (Total: 20) |  |
|      | Tu 7:00pm - 9:30pm | VMH 1107          |  |

## PLCY790

### Project Course

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY790 or PUA790. Formerly: PUA790.*

*Students work at a sponsoring government agency or private firm researching problem of interest to sponsor and relevant to concentration. Emphasis on problem definition, organizing information, and both oral and written presentation of results.*

**Contact department for information to register for this course.**

## PLCY798A

### Readings in Public Policy

Credits: 1-3      Grading Method: Regular,  
Audit

*Guided readings for discussions on public policy.*

**Contact department for information to register for this course.**

**PLCY798B**

Credits: 1-3

*Guided readings for discussions on public policy.*

**Contact department for information to register for this course.**

**PLCY798C**

Credits: 3

*Guided readings for discussions on public policy.*

Restricted to PLCY majors or permission of instructor.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Kathleen Vogel     | Seats (Total: 20) |
|      | Tu 7:00pm - 9:30pm | VMH 1101          |

**PLCY798F**

Credits: 3

*Guided readings for discussions on public policy.*

For PUAF majors only or permission of department.

**Contact department for information to register for this course.**

**PLCY798N**

Credits: 3

*Guided readings for discussions on public policy.*

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Benjamin Schlesinger | Seats (Total: 20) |
|      | M 9:15am - 11:45am   | VMH 1107          |

**PLCY798Y**

Credits: 3

*Guided readings for discussions on public policy.*

Restriction: PUAf major or permission of instructor.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Angela Bies        | Seats (Total: 20) |
|      | Th 4:15pm - 6:45pm | VMH 1107          |

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**PLCY798Z      Readings in Public Policy; Qualitative Research Methods and Public Policy**

Credits: 3                      Grading Method: Regular,  
   Audit

*Guided readings for discussions on public policy.*

Restriction: Must be a major in PUAf-School of Public Policy; or permission of PUAf-School of Public Policy.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Peter Reuter       | Seats (Total: 20) |
|      | M 9:15am - 11:45am | VMH 1101          |

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**PLCY898      Pre-Candidacy Research**

Credits: 1-8                      Grading Method: Regular  
**Contact department for information to register for this course.**

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**PLCY899      Doctoral Dissertation Research**

(Perm req)

Credits: 6                      Grading Method: Regular  
**Contact department for information to register for this course.**

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**PLSC      Plant Sciences      Fall 2017**

**PLSC101      Introductory Crop Science**

Credits: 4                      Grading Method: Regular,  
   Pass-Fail, Audit                      CORE: LL                      General Education: DSNL

*Major crop plants including: anatomy, physiology, morphology, history, use, adaptation, culture, improvement and economic importance.*

Students must pay a \$50.00 laboratory materials fee.

|      |                       |                                   |
|------|-----------------------|-----------------------------------|
| 0101 | William Phillips      | Seats (Total: 24)                 |
|      | MWF 10:00am - 10:50am | PLS 1140                          |
|      | M 11:00am - 12:50pm   | PLS 1153                      Lab |

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0102 | William Phillips      | Seats (Total: 24) |     |
|      | MWF 10:00am - 10:50am | PLS 1140          |     |
|      | W 11:00am - 12:50pm   | PLS 1153          | Lab |
| 0103 | William Phillips      | Seats (Total: 24) |     |
|      | MWF 10:00am - 10:50am | PLS 1140          |     |
|      | W 1:00pm - 2:50pm     | PLS 1153          | Lab |
| 0104 | William Phillips      | Seats (Total: 24) |     |
|      | MWF 10:00am - 10:50am | PLS 1140          |     |
|      | M 1:00pm - 2:50pm     | PLS 1153          | Lab |

## PLSC115

### How Safe is Your Salad? The Microbiological Safety of Fresh produce

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: LS      General Education: DSNS, SCIS

*Recommended: PLSC100, PLSC101, or BSCI105; or (BSCI170 and BSCI171).*

*As food is produced in larger quantities and made to travel longer distances, keeping our food safe in this day and age is an ever growing challenge. This course will focus on the question of what it takes to grow and maintain safe fruits and vegetables, as food travels along the path from the farm to your fork. Food safety of fresh produce will be discussed from the public health, agricultural, economical and policy perspectives.*

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Shirley Micallef     | Seats (Total: 30) |            |
|      | Tu 11:00am - 12:15pm | PLS 1130          |            |
|      | Th 11:00am - 12:15pm | PLS 1119          | Discussion |
| 0102 | Shirley Micallef     | Seats (Total: 30) |            |
|      | Tu 11:00am - 12:15pm | PLS 1130          |            |
|      | Th 12:30pm - 1:45pm  | PLS 1119          | Discussion |

## PLSC120

### Mushrooms and Molds

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSNS

*Students will learn about how essential fungi (mushroom, molds, and alike) are in this world and how they affect our daily lives. They will learn how fungi interact with animals, plants and other organisms in positive and negative ways. Also, they will study the importance of fungi in biotechnology and food and how they have shaped many societies throughout history.*



|   |                       |                   |
|---|-----------------------|-------------------|
| 0101  | Burkhard Schulz       | Seats (Total: 25) |
|   | TuTh 9:30am - 10:45am | PLS 1115          |
| <i>The course will have a blended instruction format with online and in-class lectures, and one or two field outings and laboratories."</i> |                       |                   |

## PLSC125 Feeding Nine Billion by 2050: Food Security and Crop Protection

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSNS, SCIS

*A big question in global food security is "how can we feed 9 billion people in 2050?" This course will stimulate creative thinking about possible solutions particularly from the crop production perspective. The instructor will introduce the concept of food security and different dimensions of this complex issue, identify major constraints to food security, and discuss scientific approaches that may be used to meet the grand challenge. Emphasis will be placed on topical and controversial issues such as the impact of biofuel production and GM crops on food security, and novel strategies that can enhance crop protection for improving food security.*

|      |                           |                          |
|------|---------------------------|--------------------------|
| 0101 | Kate Tully, Shunyuan Xiao | Seats (Total: 35)        |
|      | Tu 9:30am - 10:45am       | MMH 1400                 |
|      | Th 9:30am - 10:45am       | PLS 1119      Discussion |
| 0102 | Shunyuan Xiao, Kate Tully | Seats (Total: 35)        |
|      | Tu 9:30am - 10:45am       | MMH 1400                 |
|      | Th 9:30am - 10:45am       | PHY 4221      Discussion |
| 0103 | Shunyuan Xiao, Kate Tully | Seats (Total: 35)        |
|      | Tu 9:30am - 10:45am       | MMH 1400                 |
|      | Th 9:30am - 10:45am       | PLS 1117      Discussion |

## PLSC201 Plant Structure and Function

Credits: 4      Grading Method: Regular, Pass-Fail, Audit

*Prerequisite: PLSC100; or PLSC101. And CHEM103; or CHEM131. And CHEM132.*

*The relationship between plant structure and function and how the environment influences changes in the physiology to control higher plant growth and development are studied.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Jianhua Zhu           | Seats (Total: 16) |
|      | MWF 10:00am - 10:50am | PLS 1119          |
|      | M 3:30pm - 6:15pm     | PLS 1153      Lab |

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0102 | Jianhua Zhu           | Seats (Total: 16) |     |
|      | MWF 10:00am - 10:50am | PLS 1119          |     |
|      | W 3:30pm - 6:15pm     | PLS 1153          | Lab |

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**PLSC203 Plants, Genes and Biotechnology**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: LS      General Education: DSNS

*Prerequisite: BSCI103 or BSCI105; or (BSCI170 and BSCI171).*

*An overview of the history, genetics, and reproductive mechanisms for agronomic and horticultural plants that examines mechanisms of genetic improvement ranging from traditional plant breeding to tissue culture and genetic engineering. Social and political issues such as germplasm preservation and international intellectual property rights will also be discussed.*

|      |                      |                   |  |
|------|----------------------|-------------------|--|
| 0101 | Gary Coleman         | Seats (Total: 23) |  |
|      | TuTh 2:00pm - 3:15pm | PLS 1162          |  |

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**PLSC205 Introduction to Turf Science and Management**

Credits: 4      Grading Method: Regular      General Education: DSNL

*Credit only granted for: PLSC205 or PLSC305. Formerly: PLSC305.*

*Principals of turf science and culture with emphasis on turfgrass anatomy, morphology, and physiology. The role of cultural interventions in achieving specific aesthetic and functional objectives is examined for multiple turf uses. Pest problems typically encountered in turfgrass management are also covered.*

|      |                                 |                   |     |
|------|---------------------------------|-------------------|-----|
| 0101 | Mark Carroll, Geoffrey Rinehart | Seats (Total: 16) |     |
|      | MWF 1:00pm - 1:50pm             | PLS 1117          |     |
|      | Tu 2:00pm - 3:50pm              | PBR 1102          | Lab |
| 0102 | Geoffrey Rinehart, Mark Carroll | Seats (Total: 16) |     |
|      | MWF 1:00pm - 1:50pm             | PLS 1117          |     |
|      | W 3:00pm - 4:50pm               | PBR 1102          | Lab |

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**PLSC253 Woody Plants for Mid-Atlantic Landscapes I**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Prerequisite: PLSC100.*

*A field and laboratory study of trees, shrubs, and vines used in ornamental plantings. Major emphasis is placed on native deciduous plant materials.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Lea Johnson        | Seats (Total: 24) |
|      | WF 1:00pm - 1:50pm | PLS 1140          |
|      | F 2:00pm - 4:50pm  | PLS 1153      Lab |
| 0102 | Lea Johnson        | Seats (Total: 24) |
|      | WF 1:00pm - 1:50pm | PLS 1140          |
|      | F 2:00pm - 4:50pm  | PLS 1140      Lab |
| 0103 | Lea Johnson        | Seats (Total: 24) |
|      | WF 1:00pm - 1:50pm | PLS 1140          |
|      | F 2:00pm - 4:50pm  | PLS 1140      Lab |

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## **PLSC389      Internship**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Credit will be given for practical work carried out at one or more horticultural, agronomic, landscape industries, botanical gardens, or arboreta under formally arranged internships.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Mark Carroll                                  | Seats (Total: 20) |
|      | W 9:00am - 9:50am                             | PLS 1119          |
|      | Contact instructor or department for details. |                   |

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## **PLSC399      Special Problems in Plant Science**

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Research projects in Plant Science including field, greenhouse, laboratory, studio and/or library studies. Research is conducted under the direction of a faculty member.*

**Contact department for information to register for this course.**

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## **PLSC402      Sports Turf Management**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PLSC305 and PLSC401.*

*Sports turf management, including design, construction, soil modification, soil cultural techniques, pesticide use, fertilization, and specialized equipment.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Thomas Turner         | Seats (Total: 20) |
|      | TuTh 9:30am - 10:45am | PBR 1102          |

#### PLSC404 Plant Metabolism

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCI170 and BSCI171; or PLSC201. And CHEM231 and CHEM232; or CHEM237; or permission of AGNR-Plant Science & Landscape Architecture department.*

*An introduction to biochemistry and metabolism in plants, covering the biosynthesis of compartments in plant cells with biological molecules such as nucleic acids, amino acids and lipids. Energy flow processes such as photosynthesis, carbohydrate metabolism and respiration, are covered in the course. The integration of different pathways in plant development and responses to environmental stresses will be discussed.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Yiping Qi              | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | PLS 1168          |

#### PLSC405 Agroecology

Credits: 3      Grading Method: Regular

*Prerequisite: At least one course in ecology; or permission of instructor. Recommended: BSCI361 or PLSC471; or any BSCI or ENST ecology course. Credit only granted for: PLSC405 or PLSC605. Additional information: Class will be held on campus, with two day-long field trips to local farms.*

*How can we balance the multiple, and often competing objectives of sustainable agricultural intensification to promote both agricultural productivity and human wellbeing? The answer to this question requires a transdisciplinary, agroecological perspective. Agroecology is the integrative study of the ecology of the entire food system, encompassing ecological, economic and social dimensions. This course is designed to introduce various topics in agroecology (e.g. organic agriculture, biodiversity, the Farm Bill). We will take an ecosystems approach to the study of agriculture that will enable students to analyze the environmental, social, and economic interconnections within various types of agricultural systems locally and globally.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Kate Tully           | Seats (Total: 12) |
|      | TuTh 2:00pm - 3:15pm | PLS 1164          |

#### PLSC420 Principles of Plant Pathology

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHEM131, CHEM132, and PLSC201; or students who have taken courses with comparable content may contact the department.*

*An introduction to the causal agents, nature and management of plant diseases with particular attention paid to economically important diseases of horticultural and agronomic crops.*

|      |  |                   |  |     |
|------|--|-------------------|--|-----|
| 0101 | Nidhi Rawat, Shunyuan Xiao, James Culver | Seats (Total: 18) |  |     |
|      | TuTh 1:00pm - 2:15pm                     | PLS 1111          |  |     |
|      | Tu 2:30pm - 5:15pm                       | PLS 1153          |  | Lab |
| 0102 | James Culver, Nidhi Rawat, Shunyuan Xiao | Seats (Total: 18) |  |     |
|      | TuTh 1:00pm - 2:15pm                     | PLS 1111          |  |     |
|      | Th 2:30pm - 5:15pm                       | PLS 1153          |  | Lab |

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### **PLSC433 Technology of Fruit and Vegetable Production**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PLSC201, NRSC411, PLSC271, and PLSC202; or students who have taken courses with comparable content may contact the department. Corequisite: BSCI442. Recommended: ENST200. Restriction: Junior standing or higher. Credit only granted for: NRSC411 or PLSC433.*

*A critical analysis of research work and application of the principles of plant physiology, chemistry and botany to practical problems in the commercial production of fruit and vegetable crops.*

|      |                      |                   |  |     |
|------|----------------------|-------------------|--|-----|
| 0101 | Christopher Walsh    | Seats (Total: 10) |  |     |
|      | MW 11:00am - 12:15pm | PLS 1119          |  |     |
|      | W 1:00pm - 4:50pm    | PLS 0123          |  | Lab |

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### **PLSC453 Weed Science**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Weed identification, ecology, and control (cultural, mechanical, biological, and chemical methods).*

|      |                       |                   |  |     |
|------|-----------------------|-------------------|--|-----|
| 0101 | William Phillips      | Seats (Total: 24) |  |     |
|      | TuTh 9:30am - 10:45am | PLS 1113          |  |     |
|      | Tu 11:00am - 12:50pm  | PLS 1153          |  | Lab |

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### **PLSC605 Advanced Agroecology**

Credits: 3                      Grading Method: Regular

*Prerequisite: At least one course in ecology or instructor permission. Recommended: BSCI361 or PLSC471; or any BSCI or ENST ecology course. Additional information: Class will be held on campus, with two day-long field trips to local farms.*

*How can we balance the multiple, and often competing objectives of sustainable agricultural intensification to promote both agricultural productivity and human wellbeing? The answer to this question requires a transdisciplinary, agroecological perspective. Agroecology is the integrative study of the ecology of the entire food system, encompassing ecological, economic and social dimensions. This course is designed to introduce various topics in agroecology (e.g. organic agriculture, biodiversity, the Farm Bill). We will take an ecosystems approach to the study of agriculture that will enable students to analyze the environmental, social, and economic interconnections within various types of agricultural systems locally and globally. Students will be required to plan and execute group discussions and learning activities.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Kate Tully           | Seats (Total: 10) |
|      | TuTh 2:00pm - 3:15pm | PLS 1164          |

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**PLSC608                      Research Methods**

Credits: 2                      Grading Method: Regular,  
Audit

*An overview of research methods and applications related to plant sciences. Topics covered include current research advances, professional conduct and ethics, and preparation of grant proposals, manuscripts, and scientific presentations.*

Prerequisite: permission of department. Repeatable to 6 credits if content differs. Credit will be granted for only one of the following: AGRO608, NRSC608, or PLSC608. Formerly NRSC608.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Angus Murphy      | Seats (Total: 20) |
|      | M 3:30pm - 5:30pm | PLS 2107          |

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**PLSC608T                      Research Methods; Supervised Teaching**

(Perm req)                      Credits: 2                      Grading Method: Regular,  
Audit

*An overview of research methods and applications related to plant sciences. Topics covered include current research advances, professional conduct and ethics, and preparation of grant proposals, manuscripts, and scientific presentations.*

Prerequisite: permission of department.

|      |   |                  |
|------|---|------------------|
| 0103 | Angus Murphy                                  | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

|      |   |                  |
|------|---|------------------|
| 0104 | Mark Carroll                                  | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 6201 | Jianhua Zhu                                   | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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**PLSC619      Seminars in Plant Science and Landscape Architecture**

Credits: 1                      Grading Method: Regular,  
   Audit

*Enhancement of student learning and enrichment of student curriculum for the Plant Science Graduate Program through a combination of research seminar attendance and post-seminar discussion. Research seminars will be given by prominent scientists in the field of plant sciences and post-seminar discussions will be facilitated by the instructor along with student discussion leaders.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Joseph Roberts     | Seats (Total: 15) |
|      | Th 4:00pm - 5:50pm | PLS 1140          |

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**PLSC689Q      Special Topics; Microbiology of Agricultural Systems**

Credits: 1                      Grading Method: Regular,  
   Audit

*Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.*

Various aspects of microbiology will be covered as it pertains to agricultural systems. Topics to be covered include microbial diversity in soil, the rhizosphere and the phyllosphere, the impact and role bacteria play in promoting plant growth and suppressing disease, and the ecological functions of bacterial communities in soil as drivers of biogeochemical cycling of nutrients and greenhouse gas emissions and in the aerial portions of a plant. All these topics will be discussed from an agricultural perspective, food security and safety. The course is structured around journal article reviews and discussions to encourage critical thinking and provide the opportunity to bridge concepts and ideas from multiple disciplines. In addition, there will be opportunity for more in-depth literature review and discussion of salient research areas within agricultural microbiology, with specific attention to methodologies and study design.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Shirley Micallef      | Seats (Total: 10) |
|      | TuTh 9:30am - 10:45am | EGR 3111          |

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**PLSC799      Master's Thesis Research**

Credits: 1-6                      Grading Method: Regular, Sat-  
   Fail

**Contact department for information to register for this course.**

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**PLSC898**      **Pre-Candidacy Research**  
Credits: 1-8      Grading Method: Regular  
**Contact department for information to register for this course.**

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**PLSC899**      **Doctoral Dissertation Research**  
(Perm req)      Credits: 6      Grading Method: Regular, Sat-Fail  
**Contact department for information to register for this course.**

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## **PORT**      **Portuguese** **Fall 2017**

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**PORT104**      **Intensive Elementary Portuguese**  
Credits: 4      Grading Method: Regular, Pass-Fail, Audit  
*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score.*  
*Covers speaking, reading, writing, listening, and culture of Portuguese-speaking world.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Thayse Lima            | Seats (Total: 25) |
|      | TuTh 11:00am - 12:15pm | JMZ 2207          |
|      | W 11:00am - 11:50am    | KEY 0121          |

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**PORT205**      **Intermediate Reading and Conversation in Portuguese I**  
Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO  
*Prerequisite: PORT204; or permission of ARHU-School of Languages, Literatures, and Cultures department.*  
*Development of spoken Portuguese at intermediate level based on written assignments and exams on readings in a variety of genres.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Thayse Lima          | Seats (Total: 20) |
|      | TuTh 2:00pm - 3:15pm | KEY 0100          |

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**PORT223**      **Portuguese Culture**  
Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO



*Political, social, intellectual, and literary forces shaping culture of contemporary Portugal from the formation of the country to the present. Taught in English.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Regina Igel           | Seats (Total: 30) |
|      | TuTh 12:30pm - 1:45pm | JMZ 2207          |

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**PORT386      Experiential Learning**

(Perm req)

Credits: 3-6      Grading Method: Regular,  
Pass-Fail

*Restriction: Permission of ARHU-School of Languages, Literatures, and Cultures department; and junior standing or higher.*

**Contact department for information to register for this course.**

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**PORT388C      Special Topics in Brazilian Studies**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Exposes students to textual, visual and aural products to explore how Brazil has been shaped from within and abroad. Focuses on the broad meaning and impact on Brazilian culture and social formation. Taught in English.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Regina Igel            | Seats (Total: 30) |
|      | TuTh 11:00am - 12:15pm | JMZ 2122          |

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**PORT399      Independent Study in Portuguese**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Specific readings in literature under the supervision of a faculty member of the department.*

**Contact department for information to register for this course.**

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## **PSYC      Psychology**

## **Fall 2017**

*The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available. The Department of Psychology enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.*

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**PSYC100      Introduction to Psychology**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: SB

General Education: DSHS,  
DSNS

*A basic introductory course, intended to bring the student into contact with the major problems confronting psychology and the more important attempts at their solution.*

Discussion sections do not meet until after first lecture. Research requirement: may involve participation in research.

*[Click here for more course information.](#)*

|      |                            |                   |            |
|------|----------------------------|-------------------|------------|
| 0101 | Ryan Curtis                | Seats (Total: 30) |            |
|      | W 4:00pm - 5:20pm          | BRB 1101          |            |
|      | F 8:00am - 8:50am          | BPS 1238          | Discussion |
|      | Class time/details on ELMs | ONLINE            | Discussion |
| 0102 | Ryan Curtis                | Seats (Total: 30) |            |
|      | W 4:00pm - 5:20pm          | BRB 1101          |            |
|      | F 11:00am - 11:50am        | BPS 1238          | Discussion |
|      | Class time/details on ELMs | ONLINE            | Discussion |
| 0103 | Ryan Curtis                | Seats (Total: 30) |            |
|      | W 4:00pm - 5:20pm          | BRB 1101          |            |
|      | F 11:00am - 11:50am        | BPS 0283          | Discussion |
|      | Class time/details on ELMs | ONLINE            | Discussion |
| 0104 | Ryan Curtis                | Seats (Total: 30) |            |
|      | W 4:00pm - 5:20pm          | BRB 1101          |            |
|      | F 2:00pm - 2:50pm          | BPS 1236          | Discussion |
|      | Class time/details on ELMs | ONLINE            | Discussion |
| 0105 | Ryan Curtis                | Seats (Total: 30) |            |
|      | W 4:00pm - 5:20pm          | BRB 1101          |            |
|      | F 3:00pm - 3:50pm          | BPS 1236          | Discussion |
|      | Class time/details on ELMs | ONLINE            | Discussion |
| 0106 | Ryan Curtis                | Seats (Total: 30) |            |
|      | W 4:00pm - 5:20pm          | BRB 1101          |            |
|      | F 8:00am - 8:50am          | BPS 1238          | Discussion |
|      | Class time/details on ELMs | ONLINE            | Discussion |

|      |                            |                   |            |  |
|------|----------------------------|-------------------|------------|--|
| 0107 | Ryan Curtis                | Seats (Total: 30) |            |  |
|      | W 4:00pm - 5:20pm          | BRB 1101          |            |  |
|      | F 11:00am - 11:50am        | BPS 1238          | Discussion |  |
|      | Class time/details on ELMs | ONLINE            | Discussion |  |
| 0108 | Ryan Curtis                | Seats (Total: 30) |            |  |
|      | W 4:00pm - 5:20pm          | BRB 1101          |            |  |
|      | F 11:00am - 11:50am        | BPS 0283          | Discussion |  |
|      | Class time/details on ELMs | ONLINE            | Discussion |  |
| 0109 | Ryan Curtis                | Seats (Total: 30) |            |  |
|      | W 4:00pm - 5:20pm          | BRB 1101          |            |  |
|      | F 2:00pm - 2:50pm          | BPS 1236          | Discussion |  |
|      | Class time/details on ELMs | ONLINE            | Discussion |  |
| 0110 | Ryan Curtis                | Seats (Total: 30) |            |  |
|      | W 4:00pm - 5:20pm          | BRB 1101          |            |  |
|      | F 3:00pm - 3:50pm          | BPS 1236          | Discussion |  |
|      | Class time/details on ELMs | ONLINE            | Discussion |  |
| 0201 | Dylan Selterman            | Seats (Total: 30) |            |  |
|      | Th 3:30pm - 4:50pm         | BRB 1101          |            |  |
|      | F 9:00am - 9:50am          | BPS 1236          | Discussion |  |
|      | Class time/details on ELMs | ONLINE            | Discussion |  |
| 0202 | Dylan Selterman            | Seats (Total: 30) |            |  |
|      | Th 3:30pm - 4:50pm         | BRB 1101          |            |  |
|      | F 10:00am - 10:50am        | BPS 0283          | Discussion |  |
|      | Class time/details on ELMs | ONLINE            | Discussion |  |
| 0203 | Dylan Selterman            | Seats (Total: 30) |            |  |
|      | Th 3:30pm - 4:50pm         | BRB 1101          |            |  |
|      | F 11:00am - 11:50am        | HBK 0109          | Discussion |  |
|      | Class time/details on ELMs | ONLINE            | Discussion |  |
| 0204 | Dylan Selterman            | Seats (Total: 30) |            |  |
|      | Th 3:30pm - 4:50pm         | BRB 1101          |            |  |
|      | F 12:00pm - 12:50pm        | BPS 0283          | Discussion |  |
|      | Class time/details on ELMs | ONLINE            | Discussion |  |

|      |  |   |                          |
|------|--|---|--------------------------|
| 0205 | Dylan Selterman<br>Th 3:30pm - 4:50pm<br>F 3:00pm - 3:50pm<br>Class time/details on ELMs     | Seats (Total: 30)<br>BRB 1101<br>BPS 0283<br>ONLINE | Discussion<br>Discussion |
| 0206 | Dylan Selterman<br>Th 3:30pm - 4:50pm<br>F 9:00am - 9:50am<br>Class time/details on ELMs     | Seats (Total: 30)<br>BRB 1101<br>BPS 1236<br>ONLINE | Discussion<br>Discussion |
| 0207 | Dylan Selterman<br>Th 3:30pm - 4:50pm<br>F 10:00am - 10:50am<br>Class time/details on ELMs   | Seats (Total: 30)<br>BRB 1101<br>BPS 0283<br>ONLINE | Discussion<br>Discussion |
| 0208 | Dylan Selterman<br>Th 3:30pm - 4:50pm<br>F 11:00am - 11:50am<br>Class time/details on ELMs   | Seats (Total: 30)<br>BRB 1101<br>HBK 0109<br>ONLINE | Discussion<br>Discussion |
| 0209 | Dylan Selterman<br>Th 3:30pm - 4:50pm<br>F 12:00pm - 12:50pm<br>Class time/details on ELMs   | Seats (Total: 30)<br>BRB 1101<br>BPS 0283<br>ONLINE | Discussion<br>Discussion |
| 0210 | Dylan Selterman<br>Th 3:30pm - 4:50pm<br>F 3:00pm - 3:50pm<br>Class time/details on ELMs     | Seats (Total: 30)<br>BRB 1101<br>BPS 0283<br>ONLINE | Discussion<br>Discussion |
| FC01 | Scott Roberts<br>MW 7:30pm - 8:45pm<br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 40)<br>HJP 2242                       |                          |
| FC02 | Scott Roberts<br>MW 6:00pm - 7:15pm<br><i>Restricted to students in Freshman Connection.</i> | Seats (Total: 40)<br>HJP 2242                       |                          |

*Designed to introduce students to the science behind the hiring process and to prepare individuals with the academic and practical training required. Together we will explore psychological principles that influence the selection process and how individuals can apply them for the competitive edge that makes others Fear the Turtle!*

|      |                            |                    |
|------|----------------------------|--------------------|
| 0101 | Rebecca Weir               | Seats (Total: 100) |
|      | Class time/details on ELMs | ONLINE             |
| 0201 | Rebecca Weir               | Seats (Total: 100) |
|      | Class time/details on ELMs | ONLINE             |
| 0301 | Rebecca Weir               | Seats (Total: 100) |
|      | Class time/details on ELMs | ONLINE             |
| 0401 | Rebecca Weir               | Seats (Total: 100) |
|      | Class time/details on ELMs | ONLINE             |

## PSYC200

### Statistical Methods in Psychology

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: FSAR

*Prerequisite: PSYC100. And 1 course with a minimum grade of C- from (STAT100, MATH107, MATH111, MATH120, MATH130, MATH140); or must have completed MATH220 with a minimum grade of C-. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, INST314, JOUR405, PSYC200 or SOCY201. (These courses do not necessarily meet the same major requirements-check with your advisor to see which of these courses will count for your major).*

*A basic introduction to quantitative methods used in psychological research.*

Restricted to PSYC, ENSP and BSCI majors. All other majors require permission in BPS 1107.

*[Click here for sample course syllabus.](#)*

|      |                            |  |
|------|----------------------------|--|
| 0101 | Tracy Tomlinson            | Seats (Total: 28)                        |
|      | TuTh 8:00am - 9:15am       | BPS 1250                                 |
|      | M 9:00am - 9:50am          | BPS 1238                      Discussion |
|      | Class time/details on ELMs | ONLINE                      Discussion   |
| 0102 | Tracy Tomlinson            | Seats (Total: 28)                        |
|      | TuTh 8:00am - 9:15am       | BPS 1250                                 |
|      | M 10:00am - 10:50am        | BPS 1228                      Discussion |
|      | Class time/details on ELMs | ONLINE                      Discussion   |

|      |   |   |                          |
|------|---|---|--------------------------|
| 0103 | Tracy Tomlinson<br>TuTh 8:00am - 9:15am<br>M 12:00pm - 12:50pm<br>Class time/details on ELMs  | Seats (Total: 28)<br>BPS 1250<br>BPS 1238<br>ONLINE | Discussion<br>Discussion |
| 0104 | Tracy Tomlinson<br>TuTh 8:00am - 9:15am<br>M 2:00pm - 2:50pm<br>Class time/details on ELMs    | Seats (Total: 28)<br>BPS 1250<br>BPS 0283<br>ONLINE | Discussion<br>Discussion |
| 0105 | Tracy Tomlinson<br>TuTh 8:00am - 9:15am<br>M 1:00pm - 1:50pm<br>Class time/details on ELMs    | Seats (Total: 28)<br>BPS 1250<br>BPS 1238<br>ONLINE | Discussion<br>Discussion |
| 0201 | Tracy Tomlinson<br>TuTh 9:30am - 10:45am<br>M 9:00am - 9:50am<br>Class time/details on ELMs   | Seats (Total: 28)<br>BPS 1250<br>BPS 1228<br>ONLINE | Discussion<br>Discussion |
| 0202 | Tracy Tomlinson<br>TuTh 9:30am - 10:45am<br>M 10:00am - 10:50am<br>Class time/details on ELMs | Seats (Total: 28)<br>BPS 1250<br>BPS 1232<br>ONLINE | Discussion<br>Discussion |
| 0203 | Tracy Tomlinson<br>TuTh 9:30am - 10:45am<br>M 11:00am - 11:50am<br>Class time/details on ELMs | Seats (Total: 28)<br>BPS 1250<br>PLS 1113<br>ONLINE | Discussion<br>Discussion |
| 0204 | Tracy Tomlinson<br>TuTh 9:30am - 10:45am<br>M 2:00pm - 2:50pm<br>Class time/details on ELMs   | Seats (Total: 28)<br>BPS 1250<br>BPS 1228<br>ONLINE | Discussion<br>Discussion |
| 0205 | Tracy Tomlinson<br>TuTh 9:30am - 10:45am<br>M 1:00pm - 1:50pm<br>Class time/details on ELMs   | Seats (Total: 28)<br>BPS 1250<br>BPS 1236<br>ONLINE | Discussion<br>Discussion |

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB      General Education: DSHS, DSSP

*Prerequisite: PSYC100.*

*The influence of social factors on the individual and on interpersonal behavior. Includes topics such as conformity, attitude change, person perception, interpersonal attraction, and group behavior.*

*[Click here for sample course syllabus.](#)*

|   |                       |                          |
|---|-----------------------|--------------------------|
| 0101  | Ryan Curtis           | Seats (Total: 150)       |
|   | TuTh 12:30pm - 1:45pm | BPS 1250                 |
| 0201  | Dylan Selterman       | Seats (Total: 150)       |
|   | MW 2:00pm - 2:50pm    | BPS 1250                 |
|   | F 2:00pm - 2:50pm     | BPS 1250      Discussion |
| FC01  | Dylan Selterman       | Seats (Total: 34)        |
|   | TuTh 6:00pm - 7:15pm  | BPS 1243                 |
| <i>Restricted to students in Freshman Connection.</i> |                       |                          |

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**PSYC221H      Social Psychology**

(Perm req)

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB      General Education: DSHS, DSSP

*Prerequisite: PSYC100.*

*The influence of social factors on the individual and on interpersonal behavior. Includes topics such as conformity, attitude change, person perception, interpersonal attraction, and group behavior.*

Open to students in the University Honors programs only.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Charles Stangor   | Seats (Total: 15) |
|      | M 2:00pm - 4:30pm | LEF 1222          |

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**PSYC289D      Living the Good Life: The Psychology of Happiness**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB      General Education: DSHS, SCIS

|      |                      |                    |
|------|----------------------|--------------------|
| 0101 | Dylan Selterman      | Seats (Total: 135) |
|      | TuTh 2:00pm - 3:15pm | BPS 1250           |

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**PSYC300      Research Methods in Psychology Laboratory**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP

*Prerequisite: PSYC200. Restriction: Must be in Psychology program. Credit only granted for: PSYC300 or PSYC309R. Formerly: PSYC309R.*

*A general introduction and overview to the fundamental theoretical, conceptual, and practical issues in psychological research in both the laboratory and the field.*

For PSYC majors only.

|      |   |   |
|------|---|---|
| 0101 | Edward Bernat<br>MW 1:00pm - 1:50pm<br>Th 12:00pm - 1:50pm  | Seats (Total: 16)<br>BPS 1243<br>EGR 1102                      Discussion |
| 0102 | Edward Bernat<br>MW 1:00pm - 1:50pm<br>Th 10:00am - 11:50am | Seats (Total: 16)<br>BPS 1243<br>MTH 0401                      Discussion |
| 0103 | Edward Bernat<br>MW 1:00pm - 1:50pm<br>Th 2:00pm - 3:50pm   | Seats (Total: 16)<br>BPS 1243<br>ATL 1106                      Discussion |
| 0104 | Edward Bernat<br>MW 1:00pm - 1:50pm<br>F 10:00am - 11:50am  | Seats (Total: 16)<br>BPS 1243<br>MTH 0106                      Discussion |
| 0105 | Edward Bernat<br>MW 1:00pm - 1:50pm<br>Th 12:00pm - 1:50pm  | Seats (Total: 16)<br>BPS 1243<br>PLS 1158                      Discussion |
| 0106 | Edward Bernat<br>MW 1:00pm - 1:50pm<br>F 2:00pm - 3:50pm    | Seats (Total: 16)<br>BPS 1243<br>PLS 1158                      Discussion |
| 0201 | Edward Bernat<br>MW 3:00pm - 3:50pm<br>Th 4:00pm - 5:50pm   | Seats (Total: 16)<br>BPS 1250<br>BPS 1232                      Discussion |
| 0202 | Edward Bernat<br>MW 3:00pm - 3:50pm<br>F 10:00am - 11:50am  | Seats (Total: 16)<br>BPS 1250<br>BPS 1232                      Discussion |



|      |                    |                   |            |
|------|--------------------|-------------------|------------|
| 0203 | Edward Bernat      | Seats (Total: 16) |            |
|      | MW 3:00pm - 3:50pm | BPS 1250          |            |
|      | F 12:00pm - 1:50pm | BPS 1232          | Discussion |
| 0204 | Edward Bernat      | Seats (Total: 16) |            |
|      | MW 3:00pm - 3:50pm | BPS 1250          |            |
|      | F 2:00pm - 3:50pm  | BPS 1232          | Discussion |
| 0205 | Edward Bernat      | Seats (Total: 16) |            |
|      | MW 3:00pm - 3:50pm | BPS 1250          |            |
|      | W 4:00pm - 5:50pm  | BPS 1232          | Discussion |
| 0206 | Edward Bernat      | Seats (Total: 16) |            |
|      | MW 3:00pm - 3:50pm | BPS 1250          |            |
|      | F 12:00pm - 1:50pm | PLS 1162          | Discussion |

## PSYC301

### Biological Basis of Behavior

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSNS

*Prerequisite: PSYC100. And BSCI170 and BSCI171; or BSCI105.*

*An introduction to the anatomical structures and physiological processes that determine behavior. After a study of the basic functioning of the nervous system, the course will examine the acquisition and processing of sensory information, the neural control of movement, and the biological bases of complex behaviors such as sleep, learning, memory, sex, language, and addiction.*

Restricted to PSYC (major code 20010) students only.

*[Click here for sample course syllabus.](#)*

|      |                    |                    |
|------|--------------------|--------------------|
| 0101 | Dirk Parham        | Seats (Total: 150) |
|      | MW 5:00pm - 6:15pm | BPS 1250           |

## PSYC302

### Fundamentals of Learning and Behavior

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC100. And BSCI170 and BSCI171; or BSCI105. Restriction: Restricted to psychology majors during the registration period. All other majors will be placed on a hold file. Credit only granted for: PSYC309F or PSYC302. Formerly: PSYC309F.*

*Overview of the fundamental types of learning that occur without formal instruction. The course covers fundamentals of classical and instrumental conditioning as studied in a variety of species in addition to more modern theories of learning. We will then explore how these principles influence diverse processes such as memory, attention, extinction, categorization, motivation, and in some cases, how they are implemented in the brain and disrupted in disease.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Matthew Roesch        | Seats (Total: 50) |
|      | TuTh 12:30pm - 1:45pm | BPS 1236          |

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**PSYC303      Professional Development for Psychology Majors**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC100; and must have completed 3 additional credits in PSYC courses. Or permission of BSOS-Psychology department. Restriction: Must be in a major within BSOS-Psychology department. Credit only granted for: PSYC309C or PSYC303. Formerly: PSYC309C.*

*An investigation of various career and graduate school opportunities available to psychology majors. Students will learn about a wide range of career fields, will learn how to utilize available resources to pursue career goals, and will take steps to advance their professional identity and development.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Kevin McGann               | Seats (Total: 50) |
|      | Class time/details on ELMs | ONLINE            |

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**PSYC309K      Special Topics in Psychology; Forensic Psychology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics of current interest which represent extensions of or additions to topics covered in more general topical courses.*

|   |                            |                   |
|---|----------------------------|-------------------|
| SG91  | Robin Shusko               | Seats (Total: 40) |
|   | M 12:30pm - 1:45pm         | BLD3 2206         |
|   | Class time/details on ELMs | ONLINE            |
| <i>Limit to CCJS students at Shady Grove.</i> |                            |                   |

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**PSYC309R      Special Topics in Psychology; PREP for Research**

(Perm req)                      Grading Method: Regular,  
Credits: 1                      Pass-Fail, Audit

*Topics of current interest which represent extensions of or additions to topics covered in more general topical courses.*

For psychology majors enrolled in the Psychology Research Empowerment Program (PREP).

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Meg O'Neill         | Seats (Total: 20) |
|      | Th 9:30am - 10:45am | BPS 1140B         |

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**PSYC318D      Community Interventions: Theory and Research; Community Interventions: Domestic Violence**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Survey and critical examination of a problem in the community and related interventions. Analysis of theory and research relevant to the problem. Historical and current trends discussed. A student who has completed PSYC309 must have permission of the department in order to register for PSYC318.*

Also offered as WMST498A. For PSYC majors only. Theories and research related to domestic violence and interventions with abused women will be studied, and students will think critically regarding ethical and multicultural issues related to domestic violence. Community resources and strategies for ending domestic violence in the United States will be discussed.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Karen O'Brien      | Seats (Total: 35) |
|      | MW 8:00am - 9:15am | PLS 1111          |

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**PSYC330      Child Psychopathology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC100. Restriction: Must be in Psychology program. Credit only granted for: PSYC309B or PSYC330. Formerly: PSYC309B.*

*Etiology, diagnosis, prevention and treatment of emotional disorders of childhood and adolescence.*

For PSYC majors only.

|      |                        |                    |
|------|------------------------|--------------------|
| 0101 | Julia Shadur           | Seats (Total: 100) |
|      | TuTh 11:00am - 12:15pm | BPS 1243           |

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**PSYC332      Psychology of Human Sexuality**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC100.*

*A survey of historical and contemporary psychological views on a wide variety of sexual behaviors; theory and research bearing on the relationship between life span psychological development, psychological functioning, interpersonal processes and sexual behaviors; political and social issues involved in current sexual norms and practices.*

**Contact department for information to register for this course.**

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**PSYC334      Psychology of Interpersonal Relationships**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC100.*

*Research, theory and their practical applications pertaining to the development, maintenance and dissolution of human relationships. Processes critical to successful relating (e.g., communication, bargaining, conflict resolution), and issues associated with troubled dyadic relations with equal partners (e.g., jealousy, spouse abuse, divorce).*

Restricted to PSYC (major code 20010) students only.

*[Click here for sample course syllabus.](#)*

|      |                       |                    |
|------|-----------------------|--------------------|
| 0101 | Ryan Curtis           | Seats (Total: 150) |
|      | TuTh 9:30am - 10:45am | ESJ 2204           |

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**PSYC336      Psychology of Women**

Credits: 3      Grading Method: Regular, , D      General Education: DSHS  
Pass-Fail, Audit

*Prerequisite: PSYC100. Also offered as: WMST336. Credit only granted for: PSYC336 or WMST336.*

*A survey of the biology, life span development, socialization, personality, mental health, and special issues of women.*

Restricted to undergraduate PSYC students only. Students will be expected to meet face-to-face during class time to complete small group work on 5-6 Fridays during the semester.

*[Click here for sample course syllabus.](#)*

|      |                      |                    |
|------|----------------------|--------------------|
| 0101 | Elizabeth Sauber     | Seats (Total: 110) |
|      | MW 12:00pm - 12:50pm | BPS 1250           |
|      | F 12:00pm - 12:50pm  | ONLINE             |

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**PSYC338D      Special Topics in Study Abroad III; Developmental Disorders**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**PSYC338L      Special Topics in Study Abroad III; Dynamic Project Leadership**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**PSYC338N      Special Topics in Study Abroad III; Neuroscience of Fear**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**PSYC338P      Special Topics in Study Abroad III; Positive Psychology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**PSYC341      Introduction to Memory and Cognition**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC200 and PSYC300.*

*An introduction to the basic concepts of cognitive psychology, the scientific study of mental processes. Topics will include perception, attention, memory, reasoning, and language, with an emphasis on how findings from cognitive psychology can inform real-life thinking (e.g., memory strategies for studying, pitfalls of multitasking, and how/why our memories can fail us).*

Restricted to PSYC (major code 20010) students only.

*[Click here for sample course syllabus.](#)*

|      |                       |                    |
|------|-----------------------|--------------------|
| 0101 | Brooke Okada          | Seats (Total: 117) |
|      | TuTh 12:30pm - 1:45pm | BPS 1243           |

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**PSYC353      Adult Psychopathology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC100. Restriction: Must be in Psychology program.*

*The nature, diagnosis, etiology, and treatment of mental disorders.*

Restricted to undergraduate PSYC students only.

*[Click here for sample course syllabus.](#)*

|      |                    |                    |
|------|--------------------|--------------------|
| 0101 | Jack Blanchard     | Seats (Total: 117) |
|      | MW 8:00am - 9:15am | BPS 1243           |

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**PSYC354      Cross-Cultural Psychology**

Credits: 3                      Grading Method: Regular,                      , D                      General Education: DSHS  
Pass-Fail, Audit

*Prerequisite: PSYC100.*

*What are the psychological implications of racism, sexism, homophobia and other structures of inequality in the United States? How do socio-cultural privilege and oppression influence individual and group thoughts, feelings, and behaviors? This course will take a current events focus to understanding multicultural and social justice issues in psychology with an emphasis on self-reflection, mental health, cross-cultural communication, and strategies for social change.*

*[Click here for sample course syllabus.](#)*

|      |                       |                    |
|------|-----------------------|--------------------|
| 0101 | Nazish Salahuddin     | Seats (Total: 150) |
|      | MWF 10:00am - 10:50am | ESJ 1224           |

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**PSYC355      Developmental Psychology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC100.*

*Survey of research and theory of psychological development from conception through childhood, stressing physiological, conceptual and behavioral changes, and the social and biological context in which individuals develop.*

Restricted to undergraduate PSYC students only.

*[Click here for sample course syllabus.](#)*

|      |                        |                    |
|------|------------------------|--------------------|
| 0101 | Elizabeth Redcay       | Seats (Total: 150) |
|      | TuTh 11:00am - 12:15pm | ESJ 2204           |

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**PSYC361      Survey of Industrial and Organizational Psychology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC100.*

*A general survey of the field of industrial organizational psychology including such topics as organizational entry (recruitment, selection, training, socialization); organizational psychology (motivation, leadership, job attitudes); and productivity in the work place (performance appraisal, absenteeism, turnover). The role that the larger environment plays in influencing work behaviors and work attitudes.*

Restricted to PSYC (major code 20010) students only.

*[Click here for sample course syllabus.](#)*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | James Grand           | Seats (Total: 70) |
|      | TuTh 9:30am - 10:45am | TYD 2106          |

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**PSYC389      Experiential Learning**

(Perm req)

Credits: 1-6                      Grading Method: Regular,  
Pass-Fail, Audit

*Internship in psychology-related fields.*

For PSYC majors only. A course for undergraduate psychology majors to earn academic credit for an approved psychology-related internship experience. Information about the course may be obtained in BPS1107, or by contacting the instructor. Restricted to PSYC majors only.

|      |   |                   |
|------|---|-------------------|
| 0101 | Steven Young                                  | Seats (Total: 20) |
|      | Contact instructor or department for details. |                   |

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**PSYC403      Animal Behavior**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC301.*

*Reviews the theoretical framework underlying the study of animal behavior. The genetic, hormonal and physiological basis of behavior, and the relation to ecological and evolutionary processes will be discussed using examples that range from invertebrate animals to humans.*

For PSYC majors only.

**Contact department for information to register for this course.**

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**PSYC404 Introduction to Behavioral Pharmacology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC301. Restriction: Must be in Psychology program.*

*Theoretical viewpoints on the interaction of drugs and behavior. Basic principles of pharmacology, the effects of drugs on various behaviors, experimental analysis of drug dependence and abuse, and neuropharmacology and behavior.*

**Contact department for information to register for this course.**

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**PSYC407 Behavioral Neurobiology Laboratory**

(Perm req)                      Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC300 and PSYC301; and permission of instructor. Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits.*

*Laboratory exercises introducing concepts and techniques of behavioral neurobiology. Activities emphasize design of neurobiology experiments, hands-on experience with behavioral and neurobiological techniques, data collection, and analysis of the results. Most exercises use living animals.*

Permission required (contact professor, [ddyager@umd.edu](mailto:ddyager@umd.edu))

*[Click here for sample course syllabus.](#)*

|      |                    |                                   |
|------|--------------------|-----------------------------------|
| 0101 | David Yager        | Seats (Total: 8)                  |
|      | MW 9:00am - 9:50am | BPS 0140                          |
|      | M 2:00pm - 5:00pm  | BPS 0263                      Lab |
| 0201 | David Yager        | Seats (Total: 8)                  |
|      | MW 9:00am - 9:50am | BPS 0140                          |
|      | W 2:00pm - 5:00pm  | BPS 0263                      Lab |
| 0301 | David Yager        | Seats (Total: 8)                  |
|      | MW 9:00am - 9:50am | BPS 0140                          |
|      | Tu 2:00pm - 5:00pm | BPS 0263                      Lab |

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**PSYC409 Topics in Neurosciences Seminar**



(Perm req)

Credits: 1

Grading Method: Regular

*Current research in neurosciences will be presented, read, and discussed. Emphasis will change each term.*

For students in the neuroscience minor. Research presentations on selected topics in neuroscience. Review and discussion of background readings related to research presentations take place on alternate weeks. Restricted to students in the neuroscience minor.

|      |                              |                   |
|------|------------------------------|-------------------|
| 0101 | Gregory Ball, Farrah Madison | Seats (Total: 30) |
|      | W 2:00pm - 3:50pm            | MOR 1101          |

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### **PSYC411 Introduction to Functional Magnetic Resonance Imaging**

Credits: 3

Grading Method: Regular,  
Pass-Fail

*Prerequisite: PSYC200, PSYC301, and PSYC300. Restriction: Must be in a major within BSOS-Psychology department. Credit only granted for: PSYC309N or PSYC411. Formerly: PSYC309N.*

*An introduction to functional magnetic resonance imaging (fMRI). Students will be taught about formulating testable hypotheses with fMRI, utilizing basic methods in fMRI studies, and understanding existing limitations of fMRI studies in the literature.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Luiz Pessoa            | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | BPS 1232          |

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### **PSYC414 Science of Sleep and Biological Rhythms**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit, Sat-Fail

*Prerequisite: PSYC100 and PSYC301; or permission of instructor. Restriction: Must be in a major within the BSOS-Psychology department; and restricted to psychology majors during the registration period. All other majors will be placed on a hold file.*

*A study of the behavioral neurobiology of biological rhythms and sleep including behavioral and social contexts relevant to chronobiology and sleep science. Current scientific research on the role of the central nervous system will be a major focus.*

Not recommended for students who have taken HONR209O.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | David Yager           | Seats (Total: 25) |
|      | MWF 11:00am - 11:50am | CHM 1228          |

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### **PSYC420 Experimental Psychology: Social Psychology Laboratory**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC300 and PSYC221. Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits.*

*A laboratory course to provide a basic understanding of experimental method in social psychology and experience in conducting research on social processes.*

Restricted to PSYC (major code 20010) students only.

*[Click here for sample course syllabus.](#)*

|      |                      |                           |
|------|----------------------|---------------------------|
| 0101 | Brandon Terrizzi     | Seats (Total: 13)         |
|      | MW 10:00am - 10:50am | BPS 1236                  |
|      | Th 12:00pm - 1:50pm  | BPS 0140              Lab |
| 0102 | Brandon Terrizzi     | Seats (Total: 12)         |
|      | MW 10:00am - 10:50am | BPS 1236                  |
|      | Th 2:00pm - 3:50pm   | BPS 0140              Lab |
| 0201 | Edward Lemay         | Seats (Total: 13)         |
|      | MW 11:00am - 11:50am | BPS 1238                  |
|      | F 10:00am - 11:50am  | BPS 0140              Lab |
| 0202 | Edward Lemay         | Seats (Total: 12)         |
|      | MW 11:00am - 11:50am | BPS 1238                  |
|      | F 12:00pm - 1:50pm   | BPS 0140              Lab |

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**PSYC424                      Communication and Persuasion**

Credits: 3                      Grading Method: Regular,                      General Education: DSSP  
Pass-Fail, Audit

*Prerequisite: PSYC221 and PSYC200.*

*Effect of social communication upon behavior and attitudes. Theory and research concerning attitude change and social influence.*

|      |   |                   |
|------|---|-------------------|
| SG91 | Edward Pallas                                 | Seats (Total: 40) |
|      | M 9:30am - 12:00pm                            | BLD3 2225         |
|      | <i>Limit to CCJS students at Shady Grove.</i> |                   |

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**PSYC425                      Psychology and Law**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC100, PSYC200, and PSYC300. Restriction: Must be in Psychology program. Credit only granted for: PSYC309K, PSYC325, or PSYC425. Formerly: PSYC309K.*

*An introduction to the intersection of psychology and the criminal justice system, known as the field of legal psychology. The material covered will span the course of the criminal justice process and examine each aspect from a psychological perspective beginning with profiling and moving on to eyewitness memory and judgements through perpetrator memories and interrogation techniques. These aspects will be evaluated with a research lens as well as an applied outlook.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Tracy Tomlinson       | Seats (Total: 30) |
|      | TuTh 12:30pm - 1:45pm | BPS 1232          |

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**PSYC432                      Counseling Psychology: Theories, Research, and Practice**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC200.*

*Analysis of research and intervention strategies developed and used by counseling psychologists. Historical and current trends in content and methodology.*

Restricted to undergraduate PSYC majors only. Students will be expected to meet face-to-face during class time to complete small group work on 5-6 Fridays during the semester.

*[Click here for sample course syllabus.](#)*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Nazish Salahuddin    | Seats (Total: 45) |
|      | MW 9:00am - 9:50am   | BPS 1236          |
|      | F 9:00am - 9:50am    | ONLINE            |
| 0201 | Derek Iwamoto        | Seats (Total: 45) |
|      | TuTh 2:00pm - 3:15pm | BPS 1236          |

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**PSYC433                      Basic Helping Skills: Research and Practice**

Credits: 4                      Grading Method: Regular

*Prerequisite: PSYC300. Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits; and must not have completed or be concurrently enrolled in EDCP 310. Credit only granted for: PSYC433 or EDCP310.*

*Theories and research regarding effective helping relationships, with a focus on applications to counseling and psychotherapy. Students will practice helping skills with each other and will conduct research projects evaluating their helping skills. Students should be willing to talk about personal issues in class. Attendance in labs is mandatory and contributes to the course grade; thus, students should only enroll in a lab section that they will be able to attend consistently.*

Restricted to undergraduate PSYC majors who have completed 85 credits.

*[Click here for sample course syllabus.](#)*

|      |  |  |     |
|------|--|--|-----|
| 0101 | Clara Hill<br>M 10:00am - 11:50am<br>W 9:00am - 10:50am  | Seats (Total: 12)<br>TWS 0320<br>BPS 1228  | Lab |
| 0102 | Clara Hill<br>M 10:00am - 11:50am<br>W 11:00am - 12:50pm | Seats (Total: 12)<br>TWS 0320<br>BPS 1234  | Lab |
| 0103 | Clara Hill<br>M 10:00am - 11:50am<br>W 1:00pm - 2:50pm   | Seats (Total: 12)<br>TWS 0320<br>BPS 1234  | Lab |
| 0104 | Clara Hill<br>M 10:00am - 11:50am<br>W 3:00pm - 4:50pm   | Seats (Total: 12)<br>TWS 0320<br>BPS 1234  | Lab |
| 0105 | Clara Hill<br>M 10:00am - 11:50am<br>Th 2:00pm - 3:50pm  | Seats (Total: 12)<br>TWS 0320<br>ESJ B0320 | Lab |
| 0106 | Clara Hill<br>M 10:00am - 11:50am<br>F 9:00am - 10:50am  | Seats (Total: 12)<br>TWS 0320<br>BPS 1234  | Lab |
| 0107 | Clara Hill<br>M 10:00am - 11:50am<br>F 11:00am - 12:50pm | Seats (Total: 12)<br>TWS 0320<br>PLS 1164  | Lab |
| 0108 | Clara Hill<br>M 10:00am - 11:50am<br>F 1:00pm - 2:50pm   | Seats (Total: 12)<br>TWS 0320<br>BPS 1234  | Lab |

|      |                     |                   |
|------|---------------------|-------------------|
| 0109 | Clara Hill          | Seats (Total: 12) |
|      | M 10:00am - 11:50am | TWS 0320          |
|      | F 1:00pm - 2:50pm   | BPS 1228      Lab |

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**PSYC436      Introduction to Clinical Psychology: From Science to Practice**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC300.*

*Critical analysis of clinical psychology, with particular emphasis on current developments and trends.*

Restricted to undergraduate PSYC majors only.

*[Click here for sample course syllabus.](#)*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Andres De Los Reyes   | Seats (Total: 75) |
|      | MWF 11:00am - 11:50am | TWS 1310          |

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**PSYC437      The Assessment and Treatment of Addictive Behaviors**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC100; and 9 credits in PSYC courses. Credit only granted for: PSYC309E (taken in the Winter Term) or PSCY437. Formerly: PSYC309E.*

*Explores the current research in assessment and treatment of addictive behaviors. Topics may include addictions in the areas of alcohol, drugs, nicotine, gambling, and eating.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Cristina Risco       | Seats (Total: 80) |
|      | TuTh 5:00pm - 6:15pm | TWS 0310          |

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**PSYC442      Psychology of Language**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC300 and PSYC341. Restriction: Must be in Psychology program.*

*Introductory survey of the psychology of language, focusing on the cognitive processes that enable us to produce and understand language. Topics include speech perception, speech production, syntactic processing, language development, language disorders, and the brain bases of language.*

**Contact department for information to register for this course.**

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**PSYC445      The Psychology of Video Games and Entertainment**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC200. Restriction: Must be in Psychology program; or permission of BSOS-Psychology department. Credit only granted for: PSYC309V or PSYC445. Formerly: PSYC309V.*

*An exploration of the diverse elements and theories in the psychology of video games and entertainment. The history and taxonomy of video games, cognitive and affective elements, virtual reality and social presence, video game violence, and educational and ethical issues will be covered.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Kent Norman         | Seats (Total: 36) |
|      | MWF 2:00pm - 2:50pm | PLS 1129          |

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**PSYC460      Psychological Foundations of Personnel Selection and Training**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC361 and PSYC200.*

*An examination of issues and processes involved in the design and evaluation of personnel selection and training programs in a variety of organizational settings: job, person and organizational analysis; organizational choice; development of predictors; evaluation of instructional and training systems; criteria for performance evaluation, promotion and training.*

For PSYC majors only.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Paul Hanges            | Seats (Total: 40) |
|      | TuTh 11:00am - 12:15pm | BPS 0283          |

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**PSYC469H      Honors Thesis Proposal Preparation**

(Perm req)                      Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Development of honors thesis proposal by preliminary research and literature review. Presentation of formal proposal to the thesis committee.*

Restricted to undergraduate PSYC majors only.

**Contact department for information to register for this course.**

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**PSYC478      Independent Study in Psychology**

(Perm req)                      Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

Information about independent study may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA.

**Contact department for information to register for this course.**

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**PSYC479      Special Research Problems in Psychology**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

Information about research credit may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA.

**Contact department for information to register for this course.**

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**PSYC489X      Advanced Special Topics in Psychology; Musical Perception and Cognition**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Treatment of a specialized topic in psychology.*

For students enrolled in the Psychology Honors program. Email lkader@umd.edu to request permission.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Robert Slevc          | Seats (Total: 25) |
|      | TuTh 9:30am - 10:45am | BPS 1236          |

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**PSYC489Z      Advanced Special Topics in Psychology; Asian American Psychology**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Treatment of a specialized topic in psychology.*

Also offered as AAST498J and AMST498Q. Credit only granted for AAST498J, AMST498Q, or PSYC489Z. This course provides students with an understanding of the ecological influences on Asian American psychological well-being. It begins with the individual, covering topics relating to various social identities pertaining to Asian Americans. Moving outward, it highlights family and peer relationships. At the community and cultural level, the course focuses on the process of migration and acculturation. Finally, it concludes with a discussion of social advocacy, service provisions and cultural competency.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Kieu Anh Do          | Seats (Total: 25) |
|      | TuTh 2:00pm - 3:15pm | JMZ 1215          |

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**PSYC499H****Honors Thesis Research**

(Perm req)

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

In addition to the department and instructor, the director of the honors program may be contacted to obtain a section number. Prerequisite: permission of the thesis advisor. Permission may be obtained in BPS 1147. Restricted to undergraduate PSYC majors only.

**Contact department for information to register for this course.**

**PSYC601****Quantitative Methods I**

(Perm req)

Credits: 4                      Grading Method: Regular,  
    Audit

*Prerequisite: PSYC200; or students who have taken courses with comparable content may contact the department.*

*A basic course in quantitative/mathematical analysis and statistical methods in psychology with an emphasis on conceptual understanding. Topics include issues in measurement, probability theory, statistical inference and hypothesis testing, parameter estimation, bivariate regression, and correlation.*

For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

|      |                       |                   |     |
|------|-----------------------|-------------------|-----|
| 0101 | Alison Robey          | Seats (Total: 23) |     |
|      | TuTh 9:00am - 10:50am | BPS 0283          |     |
|      | Th 5:00pm - 7:00pm    | BPS 0140          | Lab |

**PSYC603****Introduction to Industrial and Organizational Psychology**

Credits: 3                      Grading Method: Regular,  
    Audit

*Credit only granted for: PSYC603 or PSYC730. Formerly: PSYC730.*

*Advanced survey of industrial-organizational psychology, including selection, training, motivation, group processes, leadership, organizational psychology, and organizational theory. Readings stressed and seminar time will be used for lectures, discussion and integration of the reading materials.*

|  |               |                   |
|--|---------------|-------------------|
| PYP1   | Kenneth Yusko | Seats (Total: 40) |
| <b>Meets August 28, 2017 - November 17, 2017</b>                                       |               |                   |
| Class time/details on ELMs   |               | ONLINE            |
| Contact instructor or department for details.  |               |                   |
| <i>Restricted to students in the MPS Industrial/Organizational Psychology program.</i> |               |                   |
| <i>Students meet in person on even-numbered weeks.</i>                                 |               |                   |



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**PSYC604      Fundamentals of Social Psychology**

Credits: 3                      Grading Method: Regular,  
   Audit

*Credit only granted for: PSYC604 or PSYC640. Formerly: PSYC640.*

*A survey of classic and contemporary theories, research and methods in social psychology.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Edward Lemay      | Seats (Total: 21) |
|      | W 1:00pm - 3:30pm | BPS 1140B         |

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**PSYC612      Affective Science Perspectives on Temperament & Personality**

Credits: 3                      Grading Method: Regular,  
   Audit

*Scientific requirements for a personality theory. Postulates and relevant research literature for several current personality theories.*

What makes each of us unique? How do these differences contribute to enduring differences in health & wealth? Review work in humans/non-humans aimed at understanding the psychobiological mechanisms underlying trait-like differences in personality (Negative/Positive Emotionality & Self-Control). Discuss phylogenetic/ontogenetic origins of temperament (e.g. Behavioral Inhibition), measurement issues, fundamental dimensions, mechanisms contributing to stability/change, heritability, implications for psychopathology & therapeutic intervention, & implications for public policy. Drill deeply into the neurobiology of fear/anxiety (systems- level & molecular/genetic/epigenetic evidence).

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Alexander Shackman | Seats (Total: 24) |
|      | M 9:00am - 11:45am | BPS 1234          |

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**PSYC622      Research Methods in Clinical Psychology**

Credits: 3                      Grading Method: Regular

*Restriction: Permission of instructor. Credit only granted for: PSYC622 or PSYC718. Formerly: PSYC718.*

*Examines issues and strategies in conceptual systems, designs and methodologies of current research in clinical and community psychology. Readings include critical analyses of published research. Course requirements include preparation of a research proposal for a thesis level study.*

|      |  |                   |
|------|--|-------------------|
| PCC1 | Michael Meinzer  | Seats (Total: 45) |
|      | <b>Meets August 28, 2017 - November 17, 2017</b>                             |                   |
|      | Tu 6:00pm - 9:00pm   | BPS 0283          |
|      | <i>Restricted to students in the Clinical Psychological Science Program.</i> |                   |

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**PSYC624      Adult Psychopathology**

Credits: 3                      Grading Method: Regular

*Restriction: Permission of instructor; and must be in one of the following programs (Psychology (Master's); Psychology (Doctoral)). Credit only granted for: PSYC624 or PSYC719. Formerly: PSYC719.*

*Examines the scientific and clinical literature relevant to normal and pathological behavior in adults and associated nosological systems for categorizing psychopathology. Issues relevant to etiology, differential diagnosis, and treatment planning are also considered.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Andrea Chisolm     | Seats (Total: 15) |
|      | Tu 1:00pm - 3:45pm | BPS 1140B         |

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**PSYC629      Clinical Laboratory**

(Perm req)

Credits: 1-3                      Grading Method: Sat-Fail

*Provides advanced supervised experience in the delivery and supervision of mental health interventions targeted to individuals. Supervised work with clients is required.*

Contact department or instructor for details.

|      |   |                   |
|------|---|-------------------|
| 0101 | Mary Byrne                                    | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0201 | Lea Dougherty                                 | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
|      | <i>Sections will meet in BPS2114.</i>         |                   |
| 0301 | Andrea Chisolm                                | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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**PSYC638      Externship in Professional Psychology**

Credits: 1-3                      Grading Method: Sat-Fail

*Approved appointment as an extern in a mental health setting.*

For PSYC majors only.

|      |   |                   |
|------|---|-------------------|
| 0101 | Andres De Los Reyes                           | Seats (Total: 20) |
|      | Contact instructor or department for details. |                   |
| 0201 | Jonathan Mohr                                 | Seats (Total: 25) |
|      | Contact instructor or department for details. |                   |

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**PSYC639 Internship in Professional Psychology**

Credits: 1                      Grading Method: Sat-Fail

*This seminar combines involvement with a program approved appointment as an intern in a mental setting with a supervisory review of the training experience.*

For PSYC majors only.

|      |   |                   |
|------|---|-------------------|
| 0101 | Andres De Los Reyes                           | Seats (Total: 20) |
|      | Contact instructor or department for details. |                   |

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**PSYC643 Ethical and Professional Issues in Clinical Psychology**

Credits: 3                      Grading Method: Regular

*Restriction: Permission of instructor; and must be in one of the following programs (Psychology (Master's); Psychology (Doctoral)). Credit only granted for: PSYC643 or PSYC719. Formerly: PSYC719.*

*An overview of the ethical and professional issues involved in psychological research, instruction, and practice, with special attention to advocacy and ethical decision making regarding a variety of primary, secondary, and tertiary clinical/community interventions.*

|      |  |                   |
|------|--|-------------------|
| 0101 | Mary Byrne   | Seats (Total: 20) |
|      | W 1:00pm - 3:30pm  | BPS 2114B         |
| PCC1 | Andrea Chisolm   | Seats (Total: 35) |
|      | <b>Meets August 28, 2017 - November 17, 2017</b>                             |                   |
|      | Tu 6:00pm - 9:00pm   | BPS 1140B         |
|      | <i>Restricted to students in the Clinical Psychological Science Program.</i> |                   |

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**PSYC644 Basic Foundation of Clinical Interventions**

Credits: 3      Grading Method: Regular, Audit

*Restriction: Permission of instructor; and must be in one of the following programs (Psychology (Master's); Psychology (Doctoral)).*

*General introduction to behavior theory and the basic behavioral principles that underlie behavior therapy. Provides an introduction to the philosophical, theoretical and empirical contributions of basic behavior analysis as they relate to behavior therapy, including examples of how behavior therapy is disconnected from its roots.*

|  |                |                   |
|--|----------------|-------------------|
| PCC1   | Andrea Chisolm | Seats (Total: 40) |
| <b>Meets August 28, 2017 - November 17, 2017</b>                             |                |                   |
| Th 6:00pm - 9:00pm   |                | BPS 1140B         |
| <i>Restricted to students in the Clinical Psychological Science Program.</i> |                |                   |

**PSYC651      Writing and Critical Thinking**

Credits: 3      Grading Method: Regular

*Restriction: Must be enrolled in and have completed 4 terms of the Clinical Psychological Science MPS program.*

*A capstone experience to integrate knowledge learned throughout the program and improve critical thinking and research writing skills. This will be done through the production of a major research paper in an area relevant to the current or future career goals of the student and by emphasizing critical thinking skills.*

|  |                                 |                   |
|--|---------------------------------|-------------------|
| PCC1   | Jack Blanchard, Michael Meinzer | Seats (Total: 35) |
| <b>Meets August 28, 2017 - November 17, 2017</b>                             |                                 |                   |
| Th 6:00pm - 9:00pm   |                                 | BPS 1236          |
| <i>Restricted to students in the Clinical Psychological Science Program.</i> |                                 |                   |

## PSYC652 Analytical Thinking: Statistical Methods at Work

Credits: 3      Grading Method: Regular,  
Audit

*Additional information: Students will be taught how to conduct analyses in R, SPSS, SAS, Stata, and excel; students are encouraged to practice analyses on at least two of these programs.*

*Personal and organizational growth begins with asking and answering great questions. Correspondingly, this course begins with demonstrations of how to translate business questions into research questions. Statistical methods used to answer business questions are taught first conceptually, then computationally using statistical software. This course emphasizes interpreting results, the regression model, and other issues salient to business research, such as handling large datasets. Students will be provided with a simulated dataset that they will use in learning how to frame and answer business questions using the techniques covered in this course. At the conclusion of this course, students will be required to provide an executive-level presentation on the business question, their findings, and resulting implications.*

|      |  |                   |
|------|--|-------------------|
| PYP1 | Juliet Aiken   | Seats (Total: 40) |
|      | <b>Meets August 28, 2017 - November 17, 2017</b>                                       |                   |
|      | W 4:30pm - 8:30pm  | Location: TBA     |
|      | Class time/details on ELMs   | ONLINE            |
|      | <i>Restricted to students in the MPS Industrial/Organizational Psychology program.</i> |                   |
|      | <i>Students meet in person on odd-numbered weeks.</i>                                  |                   |

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**PSYC660      Performance Management, Compensation, and Benefits**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Must be in the Master of Professional Studies in Industrial/Organizational Psychology Program.*

*This course draws together content on organizational behavior, selection, assessment, development, employee relations, and compensation, among other topics. Students in this course will learn about how to align organizational reward systems, including selection, development, performance appraisal, feedback, and compensation systems. This course will pull from current organizational research and theory on issues ranging from work motivation, employee retention, and feedback processes to issues of organizational strategy and culture.*

|      |  |                   |
|------|--|-------------------|
| PYP1 | Kenneth Yusko  | Seats (Total: 40) |
|      | <b>Meets August 28, 2017 - November 17, 2017</b>                                       |                   |
|      | W 5:00pm - 8:30pm  | BPS 1140B         |
|      | Class time/details on ELMs   | ONLINE            |
|      | <i>Restricted to students in the MPS Industrial/Organizational Psychology program.</i> |                   |
|      | <i>Students meet in person on even-numbered weeks.</i>                                 |                   |

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**PSYC661      Practicum in IO Psychology**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: PSYC603, PSYC652, PSYC653, and PSYC654. Restriction: Must be in the Master of Professional Studies in Industrial/Organizational Psychology Program.*

*In this practicum, students will work on IO-related tasks in an organization and will have the opportunity to apply what they have learned in class to real-world problems. Students will write a reflection paper reviewing what skills they have applied - and developed - while completing this practicum.*

|      |   |                   |
|------|---|-------------------|
| PYP1 | Juliet Aiken  | Seats (Total: 40) |
|      | <b>Meets August 28, 2017 - November 17, 2017</b>  |                   |
|      | W 5:00pm - 8:30pm   | BPS 1140B         |
|      | Class time/details on ELMs  | ONLINE            |
|      | <i>restricted to students in the MPS Industrial/Organizational Psychology program. Students meet in person on odd-numbered weeks.</i> |                   |

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**PSYC692      Assessment in Counseling Psychology I**

Credits: 3                      Grading Method: Regular

*Prerequisite: PSYC680. Credit only granted for: PSYC692 or PSYC721. Formerly: PSYC721.*

*Broad introduction to the construction of psychological tests and measures, and experience in test interpretation, with consideration of historical, legal, ethical, and cultural issues surrounding the assessment process.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Jonathan Mohr     | Seats (Total: 15) |
|      | M 1:00pm - 4:00pm | BPS 1103          |

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**PSYC695      Ethical and Professional Issues in Counseling Psychology**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Must be in the Counseling Psychology program. Also offered as: EDCP695. Credit only granted for: EDCP669, EDCP688, EDCP695, PSYC688, or PSYC695. Formerly: EDCP669 and EDCP688.*

*Exploration of ethical and professional issues in Counseling Psychology*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Derek Iwamoto     | Seats (Total: 15) |
|      | M 5:00pm - 7:50pm | BPS 2145          |

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**PSYC698      Advanced Didactic-Practicum in Counseling Psychology**

(Perm req)

Credits: 3                      Grading Method: Sat-Fail

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Charles Gelso     | Seats (Total: 15) |
|      | W 1:00pm - 4:00pm | BPS 1238          |

|      |                   |                  |
|------|-------------------|------------------|
| 0101 | Clara Hill        | Seats (Total: 8) |
|      | M 2:00pm - 4:50pm | BPS 2145         |

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | William Hodos          | Seats (Total: 15) |
|      | TuTh 11:00am - 12:15pm | BPS 1103          |

*An examination of human-machine interactions with emphasis on theories and research which focus on human performance capabilities and skills. Topics selected from information processing, communications, human computer interaction, decision making, environmental constraints and automation.*

A review of psychological issues relevant in the design and use of automated systems. Cognitive issues include perception, attention, motivation, memory, reasoning, judgment and decision making. Automated systems range from personal computers and mobile devices to global command and control systems.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Kent Norman        | Seats (Total: 20) |
|      | Th 2:00pm - 4:30pm | BPS 1140A         |

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**PSYC789      Special Research Problems**

Credits: 1-4      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**PSYC798B      Graduate Seminar; The Psychology of Teaching**

Credits: 1      Grading Method: Regular,  
Audit

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Ryan Curtis       | Seats (Total: 20) |
|      | W 1:00pm - 1:50pm | BPS 1232          |

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**PSYC798K      Graduate Seminar; Multilevel Theory and Dynamics**

Credits: 1-4      Grading Method: Regular,  
Audit

An exploration and critical examination of principles, methodologies, and analytical approaches for research involving multilevel systems and dynamics that are relevant to organizational psychology and organizational behavior (OP/OB).

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | James Grand        | Seats (Total: 20) |
|      | Tu 2:00pm - 4:30pm | BPS 1140A         |

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**PSYC799      Master's Thesis Research**

(Perm req)

Credits: 1-6      Grading Method: Regular

For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

**Contact department for information to register for this course.**

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**PSYC819D      Seminar in Personality and Development; Attachment Theory**



Credits: 3                      Grading Method: Regular,  
Audit

*An advanced seminar covering specialized topics.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Jude Cassidy        | Seats (Total: 11) |
|      | Th 12:30pm - 3:00pm | BPS 1103          |

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**PSYC888A      Research Methods in Psychology; Developmental Seminar**

Credits: 1-3                      Grading Method: Regular,  
Audit

|      |   |                   |
|------|---|-------------------|
| 0101 | Jude Cassidy                                  | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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**PSYC889      Research Methods in Psychology; Cognitive and Neural Systems Seminar**

Credits: 1                      Grading Method: Regular,  
Audit

|      |                   |                   |
|------|-------------------|-------------------|
| 0201 | Matthew Roesch    | Seats (Total: 10) |
|      | W 9:00am - 9:50am | BPS 0283          |

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**PSYC898      Pre-Candidacy Research**

Credits: 1-8                      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**PSYC899      Doctoral Dissertation Research**

(Perm req)

Credits: 6                      Grading Method: Regular, Sat-  
Fail

For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

**Contact department for information to register for this course.**

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**RDEV      Real Estate Development**

**Fall 2017**

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**RDEV250      People, Planet, and Profit: Building Sustainable Places**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP

*Also offered as: ARCH271. Credit only granted for: ARCH271 or RDEV250.*

*An introduction to building communities, commonly referred to as real estate development and involving multiple professions and disciplines, including Architecture and Urban Design, Community Planning, Historic Preservation, Landscape Architecture, Civil Engineering, Law, Finance and Accounting, that have to come together to build more sustainable places for the future by emphasizing the quadruple bottom line of: (1) financial viability, (2) environmental sensitivity, (3) social/cultural responsibility and (4) sustainable design. The course will provide students with an understanding of the fundamental principles and processes of these disciplines and examine the intersections between them. Students will learn through field studies, lecture, discussion, presentations and interactions with multiple professionals*

|      |                      |                    |
|------|----------------------|--------------------|
| 0101 | Heidi Bulich         | Seats (Total: 132) |
|      | TuTh 3:30pm - 4:45pm | ESJ 1224           |

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### **RDEV270      Tax and Accounting for Real Estate Development**

(Perm req)

Credits: 3                      Grading Method: Regular

*Restriction: Permission of ARCH-Real Estate Development; and must not be in a major in the Robert H. Smith School of Business; and must not have completed BMGT210, BMGT220, or BMGT221.*

*An understanding of key tax and accounting principles and how they impact real estate development for students in the minor in real estate development is the purpose of this course. This course is geared for science, arts and humanities students who otherwise in their major would not take an accounting course as part of their major.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Leslie Mostow      | Seats (Total: 25) |
|      | Tu 7:00pm - 9:40pm | ARC 1101          |

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### **RDEV350      Real Estate Development: Introduction to Principles, Process, and Practice**

(Perm req)

Credits: 3                      Grading Method: Regular

*Prerequisite: Must have completed or be concurrently enrolled in RDEV250. Restriction: Permission of ARCH-Real Estate Development. Credit only granted for: RDEV150 or RDEV350. Formerly: RDEV150.*

*An introduction to the basic principles of real estate development: How real estate and communities get built and how value is created. The emphasis is on entrepreneurship and an experiential learning approach to the entrepreneurial real estate development process, principles, and practice.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Tanya Bansal      | Seats (Total: 30) |
|      | W 7:00pm - 9:40pm | ARC 1103          |

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### **RDEV450      Foundations of Real Estate Finance and Investment**

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: Must have completed or be concurrently enrolled in RDEV250. And RDEV270; or an approved accounting course. And must have completed or be concurrently enrolled in RDEV350. Restriction: Permission of ARCH-Real Estate Development.*

*Real Estate Finance and Investment addresses how real estate value is established, the fundamental foundations of the time value of money, as well as more real estate specific applications of return on investment, net operating income, the components of a real estate sources and uses statement, sources of real estate equity and debt financing, commonly used debt ratios and equity returns in real estate, as well as concepts of sensitivity analysis and exit strategies.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0102 | Roger Staiger     | Seats (Total: 25) |
|      | W 4:00pm - 6:40pm | ARC 0111          |

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### **RDEV630**

#### **Real Property Finance and Investment**

(Perm req)

Credits: 3

Grading Method: Regular

*Restriction: Permission of ARCH-Real Estate Development. Credit only granted for: RDEV630, RDEV688B, or URSP664. Formerly: RDEV688B.*

*This course is designed to introduce students who have experience in real estate finance or have taken an introductory course in real estate finance and investment to move to this intermediate course that addresses foundational concepts of commercial real estate finance and the measures used in analyzing and evaluating real estate projects. Quantitative analysis and financial modeling comprise the main focus.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Roger Staiger     | Seats (Total: 19) |
|      | W 7:00pm - 9:40pm | ARC 1123          |

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### **RDEV635**

#### **Capital Markets and Real Estate Investments for Developers**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: RDEV630, URSP664, or RDEV688. Restriction: Must be in Real Estate Development (Master's) program; or permission of ARCH-Real Estate Development. Credit only granted for: RDEV635 or RDEV688F. Formerly: RDEV688F.*

*An advanced course in real estate finance focusing on capital markets and complex financing mechanism in the public and private markets for raising capital for development of public, private and public/private projects.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Maria Day-Marshall | Seats (Total: 19) |
|      | Th 7:00pm - 9:40pm | ARC 1123          |

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**RDEV688C      Selected Topics in Real Estate Development; Writing Case Studies in Real Estate Development**

Credits: 3                      Grading Method: Regular,  
   Audit

*Selected topics in real estate development.*

|      |                    |                  |
|------|--------------------|------------------|
| 0101 | Instructor: TBA    | Seats (Total: 6) |
|      | Th 7:00pm - 9:40pm | ARC 1119         |

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**RDEV688E      Selected Topics in Real Estate Development; Negotiations and Conflict Management**

(Perm req)                      Grading Method: Regular,  
Credits: 3                      Audit

*Selected topics in real estate development.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Ronald McDonald   | Seats (Total: 15) |
|      | M 7:00pm - 9:40pm | ARC 1127          |

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**RDEV688I      Selected Topics in Real Estate Development; Capstone Seminar in Real Estate Development**

(Perm req)                      Grading Method: Regular,  
Credits: 3                      Audit

*Selected topics in real estate development.*

Prerequisite: permission of department and completion of 21 RDEV credits.

|      |                                  |                   |
|------|----------------------------------|-------------------|
| 0101 | Tanya Bansal, Margaret McFarland | Seats (Total: 10) |
|      | Tu 7:00pm - 9:40pm               | ASY 3221          |
| 0102 | Instructor: TBA                  | Seats (Total: 10) |
|      | Tu 7:00pm - 9:40pm               | Location: TBA     |
| 0103 | Instructor: TBA                  | Seats (Total: 10) |
|      | Tu 7:00pm - 9:40pm               | ARC 1125          |
| 0104 | Instructor: TBA                  | Seats (Total: 10) |
|      | Tu 7:00pm - 9:40pm               | ARC 1123          |
| 0105 | Margaret McFarland               | Seats (Total: 10) |
|      | Tu 7:00pm - 9:40pm               | ASY 3215          |

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## Selected Topics in Real Estate Development; Principles of Urban Design

Credits: 3      Grading Method: Regular, Audit

Prerequisite: Permission of the department.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Robert McClennan   | Seats (Total: 25) |
|      | Tu 7:00pm - 9:40pm | ARC 1103          |

## Selected Topics in Real Estate Development; Tax and Accounting for Real Estate Developers

Credits: 3      Grading Method: Regular, Audit

Prerequisite: permission of department.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Leslie Mostow      | Seats (Total: 10) |
|      | Tu 7:00pm - 9:40pm | ARC 1101          |

## Selected Topics in Real Estate Development; Commercial Leasing

Credits: 3      Grading Method: Regular

Prerequisite: RDEV688A, RDEV630, and permission of department.

|      |                                  |                   |
|------|----------------------------------|-------------------|
| 0101 | Emily Smith, Christopher Camarra | Seats (Total: 25) |
|      | W 7:00pm - 9:40pm                | ARC 1101          |

## Selected Topics in Real Estate Development; Introduction to Practice and Process

Credits: 3      Grading Method: Regular,  
Audit

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Steven Shapiro    | Seats (Total: 30) |
|      | M 7:00pm - 9:40pm | ARC 1103          |

## Selected Topics in Real Estate Development; Valuation and Appraisal

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Selected topics in real estate development.*

|      |                    |                  |
|------|--------------------|------------------|
| 0101 | Margaret McFarland | Seats (Total: 7) |
|      | Th 7:00pm - 9:40pm | ARC 1125         |

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**RDEV688Z**

**Selected Topics in Real Estate Development; Introduction to Real Estate Finance Basics**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Selected topics in real estate development.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Tanya Bansal, Lisa Wiersma | Seats (Total: 30) |
|      | Th 7:00pm - 9:40pm         | ARC 1101          |

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**RDEV689M**

**Current Topics in Real Estate Development; Market Analysis and Valuation**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Audit

*Explores a focused aspect in any of the five major phases of real estate development: planning, finance, law, design, construction, or management.*

Prerequisite: Permission of the department.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Melina Duggal     | Seats (Total: 28) |
|      | M 7:00pm - 9:40pm | ARC 1101          |

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**RDEV689W**

**Current Topics in Real Estate Development; Essential Elements of Developing Hospitality Properties**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Explores a focused aspect in any of the five major phases of real estate development: planning, finance, law, design, construction, or management.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Steven Shapiro    | Seats (Total: 15) |
|      | W 7:00pm - 9:40pm | ARC 1125          |

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**RDEV689Y**

**Current Topics in Real Estate Development; Guided Real Estate Development Project**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Audit

*Explores a focused aspect in any of the five major phases of real estat development: planning, finance, law, design, construction, or management.*

Prerequisite: Permission of the department.

|   |                    |                   |
|---|--------------------|-------------------|
| 0101  | Margaret McFarland | Seats (Total: 10) |
| Contact instructor or department for details. |                    |                   |

## RELS

## Religious Studies

## Fall 2017

### RELS120

#### Islamic Civilization

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: SH, D

General Education: DSHU

*Also offered as: HIST120. Credit only granted for: HIST120 or RELS120.*

*Introduction to society and culture in the Middle East since the advent of Islam: as a personal and communal faith; as artistic and literary highlights of intellectual and cultural life; and as the interplay between politics and religion under the major Islamic regimes.*

|      |                      |                     |
|------|----------------------|---------------------|
| 0101 | Ahmet Karamustafa    | Seats (Total: 20)   |
|      | MW 12:00pm - 12:50pm | SYM 0200            |
|      | W 10:00am - 10:50am  | TLF 1103 Discussion |
| 0102 | Ahmet Karamustafa    | Seats (Total: 20)   |
|      | MW 12:00pm - 12:50pm | SYM 0200            |
|      | W 11:00am - 11:50am  | TLF 2103 Discussion |
| 0103 | Ahmet Karamustafa    | Seats (Total: 20)   |
|      | MW 12:00pm - 12:50pm | SYM 0200            |
|      | F 2:00pm - 2:50pm    | KEY 0123 Discussion |
| 0104 | Ahmet Karamustafa    | Seats (Total: 20)   |
|      | MW 12:00pm - 12:50pm | SYM 0200            |
|      | F 12:00pm - 12:50pm  | TLF 1101 Discussion |

### RELS170

#### Greek and Roman Mythology

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: HL

General Education: DSHU

*Also offered as: CLAS170. Credit only granted for: CLAS170 or RELS170. Additional information: This course cannot be taken for language credit.*

*An introduction to the mythology of ancient Greece and Rome. This course is particularly recommended for students planning to major in foreign languages, English, history, the fine arts, or journalism. Taught in English.*

|      |   |   |            |
|------|---|---|------------|
| 0101 | Lillian Doherty<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am  | Seats (Total: 24)<br>MMH 1400<br>ARC 1103 | Discussion |
| 0102 | Lillian Doherty<br>MW 10:00am - 10:50am<br>Th 11:00am - 11:50am | Seats (Total: 24)<br>MMH 1400<br>PLS 1111 | Discussion |
| 0103 | Lillian Doherty<br>MW 10:00am - 10:50am<br>Th 11:00am - 11:50am | Seats (Total: 24)<br>MMH 1400<br>PLS 1117 | Discussion |
| 0104 | Lillian Doherty<br>MW 10:00am - 10:50am<br>Th 12:30pm - 1:20pm  | Seats (Total: 24)<br>MMH 1400<br>JMP 1109 | Discussion |
| 0105 | Lillian Doherty<br>MW 10:00am - 10:50am<br>Th 12:30pm - 1:20pm  | Seats (Total: 24)<br>MMH 1400<br>MTH 0305 | Discussion |
| 0106 | Lillian Doherty<br>MW 10:00am - 10:50am<br>F 11:00am - 11:50am  | Seats (Total: 24)<br>MMH 1400<br>ARC 1103 | Discussion |
| 0107 | Lillian Doherty<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am  | Seats (Total: 24)<br>MMH 1400<br>MTH 0405 | Discussion |
| 0201 | Lillian Doherty<br>MW 11:00am - 11:50am<br>F 1:00pm - 1:50pm    | Seats (Total: 26)<br>MMH 1400<br>HBK 1108 | Discussion |
| 0202 | Lillian Doherty<br>MW 11:00am - 11:50am<br>F 2:00pm - 2:50pm    | Seats (Total: 26)<br>MMH 1400<br>ASY 3215 | Discussion |





|      |                     |                   |            |
|------|---------------------|-------------------|------------|
| 0102 | Janna Bianchini     | Seats (Total: 20) |            |
|      | MW 1:00pm - 1:50pm  | KEY 0106          |            |
|      | F 11:00am - 11:50am | TLF 1101          | Discussion |
| 0103 | Janna Bianchini     | Seats (Total: 20) |            |
|      | MW 1:00pm - 1:50pm  | KEY 0106          |            |
|      | W 2:00pm - 2:50pm   | JMZ 0118          | Discussion |
| 0104 | Janna Bianchini     | Seats (Total: 20) |            |
|      | MW 1:00pm - 1:50pm  | KEY 0106          |            |
|      | F 1:00pm - 1:50pm   | TLF 1103          | Discussion |

## RELS289I

### What is Religion?

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO, D      General Education: DSHU, DVCC, SCIS

Draws upon examples from a wide variety of religious traditions to explore the question of what religion is and how to best understand it. Engagement with diverse approaches to religion including phenomenology and the study of "the sacred"; sociology and the study of religious communities; and questions of religious experience, ritual, and identity formation.

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Maxine Grossman      | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | SQH 1120          |            |
|      | W 4:00pm - 4:50pm    | SQH 1107          | Discussion |
| 0102 | Maxine Grossman      | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | SQH 1120          |            |
|      | F 10:00am - 10:50am  | BPS 1228          | Discussion |
| 0103 | Maxine Grossman      | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | SQH 1120          |            |
|      | F 11:00am - 11:50am  | BPS 1234          | Discussion |
| 0104 | Maxine Grossman      | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | SQH 1120          |            |
|      | F 1:00pm - 1:50pm    | PLS 1168          | Discussion |

## RELS289J

### New Explorations in Religious Studies; Jerusalem in Antiquities

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSHU, SCIS

*Investigation of critical and innovative responses in Religious Studies Although the topic will vary, the course will encourage intellectual exploration by students of fundamental problems and critical methods.*

Also offered as JWST289J. Credit will be granted for JWST289J or RELS289J. The questions of sacred space through the topic of Jerusalem are explored. The study of Jerusalem's history as a holy city reveals the many ways by which sacred space is constructed. It will also examine the development of places that continue to hold great sanctity in Judaism (the Western Wall), Christianity (the Church of the Holy Sepulchre and the Mount of Olives), and Islam (the Dome of the Rock and the Al-Aqsa Mosque on the Haram ash-Sharif).

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Matthew Suriano      | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | ASY 2309          |            |
|      | W 1:00pm - 1:50pm    | ASY 3217          | Discussion |
| 0102 | Matthew Suriano      | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | ASY 2309          |            |
|      | F 11:00am - 11:50am  | WDS 1130          | Discussion |
| 0103 | Matthew Suriano      | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | ASY 2309          |            |
|      | F 12:00pm - 12:50pm  | ASY 3215          | Discussion |
| 0104 | Matthew Suriano      | Seats (Total: 20) |            |
|      | MW 11:00am - 11:50am | ASY 2309          |            |
|      | F 1:00pm - 1:50pm    | ASY 3217          | Discussion |

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### **RELS319W Special Topics in Religious Studies; World Philosophy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics in the study of religious history, literature, culture, and thought.*

Also offered as PHIL308W. Credit granted for PHIL308W or RELS319W. This course examines five philosophical traditions: Platonism, Islam, Mexico (Aztec), Yoruba, and Confucianism.

|      |                        |                   |  |
|------|------------------------|-------------------|--|
| 0101 | James Maffie           | Seats (Total: 25) |  |
|      | TuTh 11:00am - 12:15pm | SKN 1112          |  |

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### **RELS346 History of Religion in America**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: HIST255, HIST211, HIST156, HIST254, HIST213, HIST157, or HIST210; or permission of instructor. Also offered as: HIST306. Credit only granted for: HIST306 or RELS346.*

*A history of religion, religious movements, and churches in America from the early Colonial period to the present, with special attention to the relation between church and society.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Miles Bradbury       | Seats (Total: 30) |
|      | TuTh 2:00pm - 3:15pm | TLF 1103          |

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**RELS369C      Special Topics in Study Abroad III; Between Tolerance and Conflict: Jewish, Christians and Muslims in the Iberian Peninsula**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**RELS369R      Special Topics in Study Abroad III; Christianity and the Roman Empire (100-425CE)**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**RELS419J      Advanced Topics in Religious Studies; The Aztecs: Human Sacrifice and Conquest**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The contemporary study of religion in which topics may address specific religious traditions, regional or historical developments, or methodological and theoretical issues.*

Also offered as HIST429N, LASC448J, and PHIL428N. Credit granted for HIST429N LASC448J, PHIL428N, or RELS419J. We examine the philosophical worldview and daily life of the Aztecs as well as arguments concerning the legitimacy of the Conquest.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | James Maffie         | Seats (Total: 40) |
|      | TuTh 3:30pm - 4:45pm | KEY 1117          |

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**RELS419V      Advanced Topics in Religious Studies; Understanding Jewish Religious Experience**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The contemporary study of religion in which topics may address specific religious traditions, regional or historical developments, or methodological and theoretical issues.*

Also offered as JWST419V. Credit granted for JWST419V or RELS419V. Explores the concept of "religious experience" -- including mysticism, heavenly ascents, and altered consciousness -- and considers whether such experiences are central to the Jewish religious tradition. Draws upon recent work in sociology, psychology, and cognitive studies of religion, while using examples from the history of Judaism and contemporary Jewish culture.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Maxine Grossman    | Seats (Total: 30) |
|      | MW 2:00pm - 3:15pm | SQH 1121          |

## RELS499 Independent Study in Religious Studies

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*An advanced independent research project for qualified students, supervised by a faculty member, on a topic not ordinarily covered in available courses.*

**Contact department for information to register for this course.**

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## RUSS Russian Fall 2017

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### RUSS101 Intensive Elementary Russian I

Credits: 6      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Russian. Credit only granted for: RUSS101 or (RUSS111 and RUSS112).*

*This intensive first-year course is intended to develop the four skills: reading, writing, listening and speaking with an emphasis on communicative competence.*

This course has been put on a timed release system. Seats will be opened gradually by the registrar's office, to a total of 15 seats per section. If the course is full, please put yourself on the waitlist and contact Dr. Cynthia Martin (cmartin@umd.edu) for permission to enroll.

|      |                                |                   |
|------|--------------------------------|-------------------|
| 0101 | Cynthia Martin, Robert Fradkin | Seats (Total: 18) |
|      | MWF 10:00am - 10:50am          | JMZ 2125          |
|      | TuTh 9:30am - 10:45am          | JMZ 2125          |
| 0201 | Cynthia Martin, Robert Fradkin | Seats (Total: 18) |
|      | MWF 11:00am - 11:50am          | JMZ 2125          |
|      | TuTh 11:00am - 12:15pm         | JMZ 2125          |

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**RUSS201 Intermediate Russian I**

Credits: 5                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: HO

*Prerequisite: RUSS102 or RUSS114; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Russian.*

*Continued activation and expansion of skills and knowledge acquired in an elementary Russian course with the goal of communicative competence.*

If the course is full, please put yourself on the waitlist and contact Dr. Cynthia Martin (cmartin@umd.edu) for permission to enroll.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Zhanna Gerus-Vernola   | Seats (Total: 15) |
|      | MWF 10:00am - 10:50am  | JMZ 2122          |
|      | TuTh 10:00am - 10:50am | JMZ 2122          |

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**RUSS222 Masterworks of Russian Literature II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: HL                      General Education: DSHU

*Introduction to the classics of Russian literature in translation, beginning with the end of the nineteenth century and concluding with contemporary works. Taught in English.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Elizabeth Papazian | Seats (Total: 30) |
|      | MW 2:00pm - 3:15pm | JMZ 1224          |

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**RUSS298 Special Topics in Russian Language and Literature**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**RUSS301 Advanced Russian I**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: RUSS202; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of Russian.*

*Advanced training in written Russian communicative structures.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Maria Lekic            | Seats (Total: 15) |
|      | TuTh 11:00am - 12:15pm | JMZ 1226          |

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**RUSS303 Russian Conversation: Functional Skills**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: RUSS202; or students who have taken courses with comparable content may contact the department.*

*Intended for students who do not anticipate having the opportunity to study in Russia. Skills for daily life (both function and etiquette) and argumentation (rhetoric).*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Anastasiia Selemeneva | Seats (Total: 15) |
|      | MWF 1:00pm - 1:50pm   | JMZ 3203          |

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**RUSS361 Dostoevsky's Life and Works**

Credits: 3      Grading Method: Regular,      General Education: DSHU  
Pass-Fail, Audit

*Credit only granted for: RUSS361 or RUSS298P. Formerly: RUSS298P.*

*A study of Dostoevsky's major works with reference to related developments in Russian and European culture, literary criticism, and intellectual history. Interdisciplinary investigation of Dostoevsky's contemporary relevance and tremendous international popularity.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Anastasiia Selemeneva | Seats (Total: 30) |
|      | MW 3:30pm - 4:45pm    | KEY 0125          |

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**RUSS386 Experiential Learning**

(Perm req)

Credits: 3-6      Grading Method: Regular,  
Pass-Fail

*Restriction: Junior standing or higher; and permission of ARHU-School of Languages, Literatures, and Cultures department.*

Contact the department to obtain section numbers.

**Contact department for information to register for this course.**

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**RUSS403 Russian Conversation: Advanced Skills**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: RUSS303; or students who have taken courses with comparable content may contact the department.*

*Advanced spoken production of high-level, abstract language.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Maria Lekic          | Seats (Total: 15) |
|      | TuTh 2:00pm - 3:15pm | JMZ 3118          |

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**RUSS499 Independent Study in Russian**

(Perm req)

Credits: 1-3      Grading Method: Regular

*Independent study under faculty supervision.*

**Contact department for information to register for this course.**

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**RUSS798 Independent Study**

Credits: 1-3      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**RUSS799 Thesis Research**

Credits: 1-6      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**SLAA Second Language Acquisition and Application**

**Fall 2017**

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**SLAA610 Research and Theories in Second Language Acquisition**

Credits: 3      Grading Method: Regular,  
Audit

*Introduction to current theories and research findings Second Language Acquisition (SLA).*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Michael Long       | Seats (Total: 10) |
|      | Tu 1:00pm - 3:30pm | JMZ 3120          |

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**SLAA611 Fundamentals of Foreign Language Acquisition and Instruction**

Credits: 3      Grading Method: Regular,  
Audit



*Introduction to theoretical and practical issues relevant to foreign language learning, language acquisition, and curriculum construction.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Robert De Keyser  | Seats (Total: 10) |
|      | W 1:00pm - 3:30pm | JMZ 1123          |

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**SLAA649R      Special Topics in Second Language Acquisition; Research Critique**

Credits: 3                      Grading Method: Regular,  
   Audit

*Current topics in research in second language acquisition.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Nan Jiang          | Seats (Total: 10) |
|      | Th 5:00pm - 7:30pm | JMZ 2122          |

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**SLAA650      Second Language Analysis**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: SLAA610; or permission of ARHU-School of Languages, Literatures, and Cultures department.*

*An overview of the field of linguistics with a particular attention to its application in SLA studies, introduces students to the basic concepts and skills related to the scientific study of language, and provides them with opportunities to apply these concepts and skills in the analysis of language. It covers topics such as phonetics, phonology, morphology, syntax, semantics, language acquisition, and language use.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Nan Jiang          | Seats (Total: 10) |
|      | Th 2:00pm - 4:30pm | JMZ 3122          |

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**SLAA719      Second Language Acquisition and Application Internship**

Credits: 3                      Grading Method: Regular,  
   Audit

*Internship at a site to be determined. Topics may include heritage language learning, immersion education, testing and assessment, translation and interpretation, and national language planning and policy.*

**Contact department for information to register for this course.**

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**SLAA741      Cognitive Processes in Second Language Learning**

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: SLAA610; or students who have taken courses with comparable content may contact the department.*

*Examines the roles played by varied types of learning processes and memory, general processing issues, and the cognitive bases of individual differences in learning and processing a second language.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Kira Gor          | Seats (Total: 10) |
|      | W 4:00pm - 6:30pm | JMZ 2207          |

**SLAA744      Age Effects in Second Language Learning**

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: SLAA610. Restriction: Permission of instructor. Credit only granted for: SLAA649M or SLAA744. Formerly: SLAA649M.*

*Consideration of the empirical evidence for age effects in second language learning and its potential confounds. Critical evaluation of the differing interpretations of these effects and their implications for educational practice, SLA theory, development psychology, and research methodology.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Robert De Keyser   | Seats (Total: 10) |
|      | Tu 4:00pm - 6:30pm | JMZ 2123          |

**SLAA750      Instructed Second Language Acquisition**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: SLAA610.*

*Survey of studies on effectiveness of SLA instruction within various domains of language, with focus on research design.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Michael Long      | Seats (Total: 10) |
|      | M 4:00pm - 6:30pm | JMZ 3122          |

## SLAA760 Fundamentals of Second Language Assessment

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: SLAA610.*

*An overview of current assessment models in foreign and second language learning.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Steven Ross       | Seats (Total: 10) |
|      | F 2:00pm - 4:30pm | JMZ 1122          |

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**SLAA779 Directed Research in Second Language Acquisition and Application**

Credits: 1-3      Grading Method: Regular,  
Audit

*Directed independent research in Second Language Acquisition or Application. In this capstone project, students engage in independent research under faculty direction.*

**Contact department for information to register for this course.**

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**SLAA798 Master's Independent Study**

Credits: 1-3      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**SLAA799 Master's Thesis Research**

Credits: 1-6      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**SLAA888 Doctoral Independent Study**

Credits: 1-3      Grading Method: Regular,  
Audit

*Individual instruction course.*

**Contact department for information to register for this course.**

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**SLAA898 Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**SLAA899 Doctoral Dissertation Research**

(Perm req)

Credits: 6      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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## SLLC108T

**Beg Less Commonly Taught Language I; Turkish I**

Credits: 4

Grading Method: Regular

*Study of any of the less commonly taught languages at the elementary level. Speaking, listening, reading, and writing a less commonly taught language. Development of an emphasis on oral proficiency skills.*

First year Turkish is a Big Ten Academic Alliance CourseShare online course. The instructor is at Michigan State University, but you enroll and receive credit for it at Maryland. You will need to be entered into the Michigan State University course management system Desire to Learn (D2L). For more information about this course, including textbook information and instructions on enrolling in D2L, please see <https://goo.gl/Z36h8T>. Heritage speakers and those with prior knowledge of Turkish need to contact the Course Coordinator at MSU before enrolling in the course to determine appropriate placement, Ms. Steider: [steider@msu.edu](mailto:steider@msu.edu), 517-355-5105. Please note: The course will begin on September 5, 2017. The last day to enroll in this class is September 5, 2017 and no additional seats will be added. Although this is an online course, it is NOT self-paced. There are weekly assignments and two required virtual meetings per week on Tuesday and Thursday from 11:30 am to 12:20 pm.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Instructor: TBA            | Seats (Total: 10) |
|      | Class time/details on ELMs | ONLINE            |

## SLLC108V

**Beg Less Commonly Taught Language I; Vietnamese I**

Credits: 4

Grading Method: Regular

*Study of any of the less commonly taught languages at the elementary level. Speaking, listening, reading, and writing a less commonly taught language. Development of an emphasis on oral proficiency skills.*

First year Vietnamese is a Big Ten Academic Alliance CourseShare online course. The instructor is at Michigan State University, but you enroll and receive credit for it at Maryland. You will also need to be entered into the Michigan State University course management system Desire to Learn (D2L). For more information about this course, including textbook information and instructions on enrolling in D2L, please see <https://goo.gl/yoEbEm>. Heritage speakers and those with prior knowledge of Vietnamese need to contact the Course Coordinator at MSU before enrolling in the course to determine appropriate placement, Ms. Steider: [steider@msu.edu](mailto:steider@msu.edu), 517-355-5105. Please note: The course will begin on September 5, 2017 and no additional seats will be added. Although this is an online course, it is NOT self-paced. There are weekly assignments and one required virtual meeting each week on Thursday from 6:00-6:45 pm, 7-7:45 pm OR 8-8:45 pm.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Instructor: TBA            | Seats (Total: 10) |
|      | Class time/details on ELMs | ONLINE            |

**SLLC169B      Special Topics in Study Abroad I; Elementary Basque I**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SLLC169C      Special Topics in Study Abroad I; Elementary Basque II**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SLLC169D      Special Topics in Study Abroad I; Great Czech Writers**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SLLC169L      Special Topics in Study Abroad I; Basque Language and Culture**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SLLC208V      Intermediate Less Commonly Taught Language I; Vietnamese I**

Credits: 4                      Grading Method: Regular

*Intermediate-level work on speaking, reading, and writing a less commonly taught language. Continued development of oral proficiency skills.*

Second year Vietnamese is a Big Ten Academic Alliance CourseShare online course. The instructor is at Michigan State University, but you enroll and receive credit for it at Maryland. You will need to be entered into the Michigan State University course management system Desire to Learn (D2L). For more information about this course, including textbook information and instructions on enrolling in D2L, please see <https://goo.gl/yoEbEm>. The course pre-requisite is SLLC109V. Heritage speakers and those with prior knowledge of Vietnamese need to contact the Course Coordinator at MSU before enrolling in the course to determine appropriate placement, Ms. Steider: [steider@msu.edu](mailto:steider@msu.edu), 517-355-5105. Please note: The course will begin on September 5, 2017. The last day to enroll in this class is September 5, 2017 and no additional seats will be added. Although this is an online course, it is NOT self-paced. There are weekly assignments and one required virtual meeting each week on Tuesday from 6:00-6:45 pm, 7-7:45 pm OR 8-8:45 pm.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Instructor: TBA            | Seats (Total: 10) |
|      | Class time/details on ELMs | ONLINE            |

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**SLLC269B      Special Topics in Study Abroad II; Scandinavian Moods in Cinema**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SLLC269D      Special Topics in Study Abroad II; Catalan Language and Culture**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SLLC269X      Special Topics in Study Abroad II; Intermediate Basque I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SLLC269Y      Special Topics in Study Abroad II; Intermediate Basque II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SLLC286      Living the Good Life: Chinese Philosophy in the Modern World**

Credits: 3                      Grading Method: Regular,                      General Education: DSHU,  
Pass-Fail, Audit                      SCIS

*Additional information: Taught in English.*

*Confucius, Mencius, Zhuangzi and other Chinese thinkers who lived more than 2,000 years ago would argue that the contemporary Western emphasis on self-discovery (Find yourself) and self-acceptance has led you astray. See what they have to say and discuss what relevance it has for the modern world as we study how early Chinese thinkers wrestled with questions of existence, morality, and governance. No previous knowledge of Chinese philosophy and history will be assumed and no prerequisites are required. We will discuss ideas that are both historical and relevant to students' lives. What is "the Way"? How do we cultivate spontaneity? Is there a stable self? How can we be more alive? These are questions important for ancient kings but also for UMD students choosing a major, or wondering how ARHU can benefit them.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Andrew Schonebaum    | Seats (Total: 60) |
|      | TuTh 2:00pm - 3:15pm | MCB 1207          |

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**SLLC299P      Special Topics in World Cultures; Behavior of the Rich and Powerful, Past and Present**

Credits: 3                      Grading Method: Regular,                      General Education: DSHU  
Pass-Fail, Audit

*Topic to be announced when course is offered.*

Through the study of XV and XVI century courtesy literature, in this course we will explore the various forms of behavior of the rich and powerful of the Italian Renaissance, an era that is much closer to our contemporary world than we might initially think, especially in regard to the way political and influential figures act in social situations and the image of themselves they present to others. What can we learn from observing and comparing the behavior of the rich and powerful of the past and present? In the public arena of these two worlds, does appearance matter more than truth?

|   |                    |                   |
|---|--------------------|-------------------|
| FC01  | Joseph Falvo       | Seats (Total: 20) |
|   | MW 6:00pm - 7:15pm | JMZ 2117          |
| <i>Restricted to students in Freshmen Connection.</i> |                    |                   |

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**SLLC299R      Special Topics in World Cultures; Elementary Italian I**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Topic to be announced when course is offered.*

**Contact department for information to register for this course.**

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**SLLC299Z****Special Topics in World Cultures; Spanish Civilization and Culture**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topic to be announced when course is offered.*

**Contact department for information to register for this course.**

**SLLC309****Language Partner Program**

(Perm req)

Credits: 1                      Grading Method: Regular

*For intermediate- to advanced-level language study. Conversations entirely in target language with native speaker.*

Students must be available to meet on Monday, September 25, 2017 and Monday, December 4, 2017.

|      |   |                                    |
|------|---|------------------------------------|
| 0101 | Mehl Penrose<br>M 4:00pm - 5:50pm<br>Contact instructor or department for details.<br><i>Arabic. Meets September 25, 2017 - December 4, 2017</i>  | Seats (Total: 10)<br>Location: TBA |
| 0102 | Mehl Penrose<br>M 4:00pm - 5:50pm<br>Contact instructor or department for details.<br><i>Chinese. Meets September 25, 2017 - December 4, 2017</i> | Seats (Total: 10)<br>Location: TBA |
| 0103 | Mehl Penrose<br>M 4:00pm - 5:50pm<br>Contact instructor or department for details.<br><i>French. meets September 25, 2017 - December 4, 2017</i>  | Seats (Total: 10)<br>Location: TBA |
| 0104 | Mehl Penrose<br>M 4:00pm - 5:50pm<br>Contact instructor or department for details.<br><i>German. meets September 25, 2017 - December 4, 2017</i>  | Seats (Total: 10)<br>Location: TBA |
| 0105 | Mehl Penrose<br>M 4:00pm - 5:50pm<br>Contact instructor or department for details.<br><i>Italian. meets September 25, 2017 - December 4, 2017</i> | Seats (Total: 10)<br>Location: TBA |



|      |  |                                    |
|------|--|------------------------------------|
| 0106 | Mehl Penrose<br>M 4:00pm - 5:50pm<br>Contact instructor or department for details.<br><i>Japanese. meets September 25, 2017 - December 4, 2017</i> | Seats (Total: 10)<br>Location: TBA |
| 0108 | Mehl Penrose<br>M 4:00pm - 5:50pm<br>Contact instructor or department for details.<br><i>Persian. meets September 25, 2017 - December 4, 2017</i>  | Seats (Total: 10)<br>Location: TBA |
| 0109 | Mehl Penrose<br>M 4:00pm - 5:50pm<br>Contact instructor or department for details.<br><i>Russian. meets September 25, 2017 - December 4, 2017</i>  | Seats (Total: 10)<br>Location: TBA |
| 0110 | Mehl Penrose<br>M 4:00pm - 5:50pm<br>Contact instructor or department for details.<br><i>Spanish. meets September 25, 2017 - December 4, 2017</i>  | Seats (Total: 10)<br>Location: TBA |

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**SLLC369A Special Topics in Study Abroad III; Alternative Culture, Literature, Music and Lifestyles**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SLLC369C Special Topics in Study Abroad III; Czech Film**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SLLC369D Special Topics in Study Abroad III; Art and Dictatorship**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SLLC369X****Special Topics in Study Abroad III; Advanced Basque I**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

**SLLC369Y****Special Topics in Study Abroad III; Advanced Basque II**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

**SLLC386****Experiential Learning**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail

*Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor and the student's internship sponsor. Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

**SLLC601****Teaching Foreign Languages in Higher Education**

(Perm req)

Credits: 1                      Grading Method: Regular

*Restriction: Permission of ARHU-School of Languages, Literatures, and Cultures department. Credit only granted for: SLLC601 or SPAN605. Formerly: SPAN605.*

*Methods and materials for teaching foreign languages in higher education.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Regina Ianozi     | Seats (Total: 10) |
|      | M 3:00pm - 4:15pm | JMZ 1123          |

**SLLC789****Master's Independent Study**

Credits: 1-3                      Grading Method: Regular

**Contact department for information to register for this course.**

**SOCY****Sociology****Fall 2017****SOCY100****Introduction to Sociology**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit                      CORE: SB                      General Education: DSHS

*The fundamental concepts and principles of sociology. Includes consideration of culture, patterns of social interaction, norms, values, social institutions, stratification, and social change.*

|      |   |   |            |
|------|---|---|------------|
| 0101 | Alex Parkhouse<br>TuTh 9:30am - 10:45am   | Seats (Total: 60)<br>ASY 1213             |            |
| 0201 | Robert Pernick<br>MWF 10:00am - 10:50am   | Seats (Total: 60)<br>ASY 1213             |            |
| 0301 | Anya Galli Robertson<br>MWF 9:00am - 9:50am   | Seats (Total: 60)<br>ESJ 0215             |            |
| 0401 | Robert Pernick<br>MWF 11:00am - 11:50am   | Seats (Total: 60)<br>ASY 1213             |            |
| 0501 | Mansoor Moaddel<br>TuTh 8:30am - 9:20am<br>F 9:00am - 9:50am                                      | Seats (Total: 25)<br>ASY 2203<br>TWS 1107 | Discussion |
| 0502 | Mansoor Moaddel<br>TuTh 8:30am - 9:20am<br>F 10:00am - 10:50am                                    | Seats (Total: 25)<br>ASY 2203<br>KNI 1105 | Discussion |
| 0503 | Mansoor Moaddel<br>TuTh 8:30am - 9:20am<br>F 11:00am - 11:50am                                    | Seats (Total: 25)<br>ASY 2203<br>ARC 1105 | Discussion |
| 0504 | Mansoor Moaddel<br>TuTh 8:30am - 9:20am<br>F 12:00pm - 12:50pm                                    | Seats (Total: 25)<br>ASY 2203<br>ASY 3203 | Discussion |
| FC01 | Carrie Clarady<br>MW 7:30pm - 8:45pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 34)<br>ASY 2309             |            |
| FC02 | Daniel Swann<br>TuTh 7:30pm - 8:45pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 34)<br>ASY 1213             |            |

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: SB                      General Education: DSHS

*The fundamental concepts and principles of sociology. Includes consideration of culture, patterns of social interaction, norms, values, social institutions, stratification, and social change.*

Open to Honor students only.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Brian Connor          | Seats (Total: 25) |
|      | MWF 10:00am - 10:50am | ASY 3203          |

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**SOCY105                      Introduction to Contemporary Social Problems**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: SB                      General Education: DSHS

*An examination of contemporary social problems through sociological perspectives; ways in which social problems are part of the organization of society; a detailed study of selected social problems including social conflict and social inequality.*

|   |                       |                   |
|---|-----------------------|-------------------|
| 0101  | Naliyah Kaya          | Seats (Total: 60) |
|   | TuTh 12:30pm - 1:45pm | ASY 1213          |
| 0201  | Wendy Laybourn        | Seats (Total: 60) |
|   | TuTh 3:30pm - 4:45pm  | ASY 1213          |
| 0301  | Jenelle Clark         | Seats (Total: 60) |
|   | MWF 1:00pm - 1:50pm   | ASY 1213          |
| 0401  | Jenelle Clark         | Seats (Total: 60) |
|   | MWF 12:00pm - 12:50pm | ASY 2309          |
| FC01  | Jenelle Clark         | Seats (Total: 30) |
|   | MW 6:00pm - 7:15pm    | ASY 1213          |
| <i>Restricted to students in Freshmen Connection.</i> |                       |                   |

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**SOCY110                      The Logic of Social Inquiry**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Additional information: To be taken prior to, or in the first 30 credits after declaring sociology as a major.*

*Introduction to the logic of social science research; the integration of theory and methods in the development of sociological knowledge; basic sociological concepts; and departmental research streams. Required of all sociology majors.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Brian Connor        | Seats (Total: 80) |
|      | MWF 9:00am - 9:50am | ASY 1213          |

## SOCY200

### Human Societies

Credits: 4      Grading Method: Regular, Pass-Fail, Audit      CORE: SB      General Education: DSHS, SCIS

*A comparative, historical, interdisciplinary study of human societies that focuses on the main components of human societies, how they are organized, how they change, and how they come to shape our collective social existence.*

|      |                     |                   |            |
|------|---------------------|-------------------|------------|
| 0101 | John Pease          | Seats (Total: 22) |            |
|      | MW 2:00pm - 3:15pm  | ASY 2203          |            |
|      | F 9:00am - 9:50am   | ASY 3203          | Discussion |
| 0102 | John Pease          | Seats (Total: 22) |            |
|      | MW 2:00pm - 3:15pm  | ASY 2203          |            |
|      | F 9:00am - 9:50am   | ASY 3207          | Discussion |
| 0103 | John Pease          | Seats (Total: 22) |            |
|      | MW 2:00pm - 3:15pm  | ASY 2203          |            |
|      | F 10:00am - 10:50am | JMZ 1122          | Discussion |
| 0104 | John Pease          | Seats (Total: 22) |            |
|      | MW 2:00pm - 3:15pm  | ASY 2203          |            |
|      | F 11:00am - 11:50am | EDU 1121          | Discussion |
| 0105 | John Pease          | Seats (Total: 22) |            |
|      | MW 2:00pm - 3:15pm  | ASY 2203          |            |
|      | F 11:00am - 11:50am | ASY 3211          | Discussion |
| 0106 | John Pease          | Seats (Total: 22) |            |
|      | MW 2:00pm - 3:15pm  | ASY 2203          |            |
|      | F 12:00pm - 12:50pm | EDU 3315          | Discussion |
| 0107 | John Pease          | Seats (Total: 15) |            |
|      | MW 2:00pm - 3:15pm  | ASY 2203          |            |
|      | F 12:00pm - 12:50pm | ARC 1125          | Discussion |

|      |                    |                   |            |
|------|--------------------|-------------------|------------|
| 0108 | John Pease         | Seats (Total: 15) |            |
|      | MW 2:00pm - 3:15pm | ASY 2203          |            |
|      | F 1:00pm - 1:50pm  | ARC 1125          | Discussion |

## SOCY201 Introductory Statistics for Sociology

(Perm req)

Credits: 4      Grading Method: Regular, Pass-Fail, Audit      General Education: FSAR

*Prerequisite: SOCY100; and (MATH107 or MATH111). Or students who have taken courses with comparable content may contact the department. Restriction: Must not have completed STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, INST314, JOUR405, PSYC200 or SOCY201. (These courses do not necessarily meet the same major requirements-check with your advisor to see which of these courses will count for your major).*

*Elementary descriptive and inferential statistics. Construction and percentaging of bivariate contingency tables; frequency distributions and graphic presentations; measures of central tendency and dispersion; parametric and nonparametric measures of association and correlation; regression; probability; hypothesis testing; the normal, binomial and chi-square distributions; point and interval estimates.*

|      |                        |                   |     |
|------|------------------------|-------------------|-----|
| 0102 | Alan Neustadt          | Seats (Total: 20) |     |
|      | TuTh 11:00am - 12:15pm | ASY 2309          |     |
|      | W 10:00am - 11:50am    | LEF 0231          | Lab |
| 0103 | Alan Neustadt          | Seats (Total: 20) |     |
|      | TuTh 11:00am - 12:15pm | ASY 2309          |     |
|      | W 12:00pm - 1:50pm     | LEF 0231          | Lab |
| 0104 | Alan Neustadt          | Seats (Total: 20) |     |
|      | TuTh 11:00am - 12:15pm | ASY 2309          |     |
|      | W 2:00pm - 3:50pm      | LEF 0231          | Lab |

## SOCY202 Introduction to Research Methods in Sociology

Credits: 4      Grading Method: Regular, Pass-Fail, Audit      General Education: DSSP

*Prerequisite: SOCY201.*

*The underlying logic, major strategies, specific techniques and skills of sociological research. Research design, measurement, data collection, sampling, field research experiments, surveys, index and scale construction, data analysis, interpretation and report writing.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0201 | Wei-hsin Yu            | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | ASY 1213          |
|      | W 8:00am - 9:50am      | LEF 0221 Lab      |
| 0202 | Wei-hsin Yu            | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | ASY 1213          |
|      | W 10:00am - 11:50am    | LEF 0221 Lab      |
| 0203 | Wei-hsin Yu            | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | ASY 1213          |
|      | W 12:00pm - 1:50pm     | LEF 0221 Lab      |
| 0204 | Wei-hsin Yu            | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | ASY 1213          |
|      | W 2:00pm - 3:50pm      | LEF 0221 Lab      |

### SOCY203

#### Sociological Theory

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SOCY100.*

*Development of the science of sociology; historical backgrounds; recent theories of society. Required of all sociology majors.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0201 | Meyer Kestnbaum      | Seats (Total: 78) |
|      | TuTh 2:00pm - 3:15pm | TWS 1310          |

### SOCY224

#### Why are We Still Talking About Race?

Credits: 3      Grading Method: Regular      General Education: DSHS,  
SCIS

*Exploration of the major debates and assumptions that construct individual perceptions of what race is and how race matters. Sociological and sub-cultural theories will give students a historical and present day frame with which to view race and ethnic relations in the twenty first century.*

|      |                      |                    |
|------|----------------------|--------------------|
| 0101 | Rashawn Ray          | Seats (Total: 120) |
|      | TuTh 2:00pm - 3:15pm | ASY 2203           |

### SOCY225

#### Women's Jobs, Men's Jobs: How and Why Do They Differ?

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: DSHS,  
SCIS

*An exploration of critical issues pertaining gender differences in the workplace. Overview of theories explaining why some people do better than the others in the world of work, and discussions of more specific questions relating to women's and men's job opportunities and experiences.*

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0101 | Wei-hsin Yu          | Seats (Total: 22) |            |
|      | TuTh 2:00pm - 2:50pm | ASY 1213          |            |
|      | F 8:00am - 8:50am    | EDU 1107          | Discussion |
| 0102 | Wei-hsin Yu          | Seats (Total: 22) |            |
|      | TuTh 2:00pm - 2:50pm | ASY 1213          |            |
|      | F 9:00am - 9:50am    | EDU 1107          | Discussion |
| 0103 | Wei-hsin Yu          | Seats (Total: 22) |            |
|      | TuTh 2:00pm - 2:50pm | ASY 1213          |            |
|      | F 1:00pm - 1:50pm    | ARC 1101          | Discussion |
| 0104 | Wei-hsin Yu          | Seats (Total: 22) |            |
|      | TuTh 2:00pm - 2:50pm | ASY 1213          |            |
|      | F 2:00pm - 2:50pm    | ASY 3221          | Discussion |

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**SOCY227                      Introduction to the Study of Deviance**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: SB                      General Education: DSHS

*Credit only granted for: SOCY227 or SOCY327. Formerly: SOCY327.*

*An introduction to the sociological study of deviant behavior, covering such topics as mental illness, sexual deviance, and the use of drugs.*

|      |                       |                   |  |
|------|-----------------------|-------------------|--|
| 0101 | Alex Parkhouse        | Seats (Total: 50) |  |
|      | TuTh 2:00pm - 3:15pm  | ASY 2309          |  |
| 0201 | David Strohecker      | Seats (Total: 50) |  |
|      | MWF 12:00pm - 12:50pm | ASY 1213          |  |

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**SOCY230                      Sociological Social Psychology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: DSHS



*Theoretical perspectives and their applications. Socialization through the life course, the self-concept, attitudes, emotion, attribution, interpersonal relations, group processes, deviance, and social change.*

|      |                       |                    |
|------|-----------------------|--------------------|
| 0101 | Rashawn Ray           | Seats (Total: 192) |
|      | TuTh 12:30pm - 1:45pm | ASY 2203           |

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**SOCY242      Sociology of Homelessness**

Credits: 3                      Grading Method: Regular

*Examines the causes of and solutions for homelessness in society. How social scientists analyze social issues using ethnographic observation, surveys, official statistics, and other research methods. Discusses how policies have responded to the problem of homelessness, and how to evaluate their effectiveness.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Reeve Vanneman        | Seats (Total: 80) |
|      | TuTh 9:30am - 10:45am | ASY 2309          |

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**SOCY258L      Special Topics in Study Abroad II; Living Rome: Urban Spaces, Culture and Identity**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SOCY335      Sociology of Health and Illness**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*An exploration of the social model to studying health and illness: how meanings and experiences of health and illness are socially produced. How experiences are shaped by the interaction of external social environments (culture, community) and the internal environment (human body), and by socio-demographic variables (race, class, gender, etc.). Disparities in health and healthcare delivery, medicalization of society, determinants of health, social construction of illness, and the social organization of health care.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Alex Parkhouse        | Seats (Total: 80) |
|      | TuTh 12:30pm - 1:45pm | ASY 2309          |

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**SOCY380      Honors Independent Reading in Sociology**

(Perm req)                      Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of BSOS-Sociology department. Formerly: SOCY378.*

*This course permits sociology honor students to undertake a program or reading on a particular problem in sociology or a subfield therein. The reading will be done under the supervision of a member of the sociology faculty. Required of sociology honor students.*

|   |                |                  |
|---|----------------|------------------|
| 0101  | Linda Moghadam | Seats (Total: 5) |
| Contact instructor or department for details. |                |                  |

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**SOCY381 Honors Independent Research in Sociology**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SOCY380. Formerly: SOCY388.*

*This course permits sociology students to define a particular problem in sociology or a subfield therein and to develop a research plan for use as a thesis topic. The work will be done under the supervision of a member of the sociology faculty.*

**Contact department for information to register for this course.**

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**SOCY383 Honors Thesis Research**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SOCY381. Formerly: SOCY389.*

*Student research under the direction of a member of the sociology faculty, culminating in the presentation and defense of a thesis reporting the research.*

**Contact department for information to register for this course.**

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**SOCY386 Experiential Learning**

(Perm req)

Credits: 3-6                      Grading Method: Regular,  
Pass-Fail

*Restriction: Permission of BSOS-Sociology department; and junior standing or higher.*

To register, students must have departmental permission form signed by instructor and by Coordinator of Sociology Undergraduate Program.

**Contact department for information to register for this course.**

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**SOCY398T Special Topics in Sociology; Identity and Culture in Italy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics of special interest to both sociology majors and non-majors.*

**Contact department for information to register for this course.**

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**SOCY398W Special Topics in Sociology; Experiential Learning: Maryland, Public Policy, and Beyond**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Topics of special interest to both sociology majors and non-majors.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Casey BURGAT                                  | Seats (Total: 40) |
|      | Class time/details on ELMs                    | ONLINE            |
|      | Contact instructor or department for details. |                   |

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**SOCY399 Independent Study in Sociology**

(Perm req)

Credits: 1-6      Grading Method: Regular,  
Pass-Fail, Audit

*Integrated reading or research under the direction and supervision of a faculty member. A maximum of 6 credits may be earned by a student for the same field experience in SOCY386 and SOCY399 combined.*

No more than 6 hours of 399 is allowed for credit.

**Contact department for information to register for this course.**

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**SOCY405 Scarcity and Modern Society**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 6 credits in SOCY courses. Credit only granted for: SOCY305 or SOCY405. Formerly: SOCY305.*

*Resource depletion and the deterioration of the environment. Relationship to lifestyles, individual consumer choices, cultural values, and institutional failures. Projection of the future course of American society on the basis of the analysis of scarcity, theories of social change, current trends, social movements, government actions, and the futurist literature.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Kurt Finsterbusch   | Seats (Total: 29) |
|      | MWF 1:00pm - 1:50pm | ARC 1105          |

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**SOCY410 Social Demography**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.*

*Types of demographic analysis; demographic data; population characteristics; migration; mortality; fertility; population theories; world population growth; population policy.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Feinian Chen         | Seats (Total: 25) |
|      | TuTh 2:00pm - 3:15pm | ASY 3207          |

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### **SOCY413      Sociology of Aging**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 2 courses in SOCY. Credit only granted for: SOCY498D or SOCY413. Formerly: SOCY498D.*

*The aging of the population is one of the major demographic changes affecting social institutions during the next century. Research demography, sociology, economics, epidemiology, psychology and public health are integrated to develop a broader understanding of the causes and consequences of population aging. A central focus is the diversity of experiences by age, gender, socioeconomic status and health.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Joan Kahn          | Seats (Total: 25) |
|      | MW 2:00pm - 3:15pm | ASY 3207          |

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### **SOCY424      Sociology of Race Relations**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department. Also offered as: AAST424. Credit only granted for: AAST424 or SOCY424.*

*Analysis of race-related issues, with a primary focus on American society. The historical emergence, development, and institutionalization of racism; the impact of racism on its victims; and racially based conflict.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Kris Marsh            | Seats (Total: 29) |
|      | TuTh 9:30am - 10:45am | KNI 1105          |

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### **SOCY428      Research in Inequality**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*This is the special topics research course for Stratification and Inequality.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Reeve Vanneman       | Seats (Total: 20) |
|      | TuTh 3:30pm - 4:45pm | ARC 1103          |

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**SOCY431 Principles of Organizations**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.*

*Structural and processual characteristics of organizations that make them effective for different purposes and in different environments. Effects of different institutional environments, small group processes, organizational networks, and leadership. Types of organizations studied include formal bureaucracies, professional organizations, and voluntary associations.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Kurt Finsterbusch     | Seats (Total: 29) |
|      | MWF 10:00am - 10:50am | ASY 2309          |

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**SOCY432 Social Movements**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.*

*Movements that seek change in the social and political structure of society. Origins, tactics, organization, recruitment, and success. Case studies come from such movements as labor, civil rights, student, feminist, environmental, neighborhood, and gay rights.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Brian Connor        | Seats (Total: 29) |
|      | MWF 1:00pm - 1:50pm | ASY 3207          |

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**SOCY441 Social Stratification and Inequality**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department. Restriction: Junior standing or higher.*

*The sociological study of social class, status, and power. Topics include theories of stratification, correlates of social position, functions and dysfunctions of social inequality, status inconsistency, and social mobility.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Yan Yu                | Seats (Total: 29) |
|      | TuTh 9:30am - 10:45am | ASY 3203          |

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**SOCY445      Sex and Love in Modern Society**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SOCY201, SOCY202, SOCY203, SOCY230, and SOCY200. Restriction: Must be in Sociology program; or permission of BSOS-Sociology department.*

*Sociological theories of sex and gender are used to explore empirical research on women's and men's sexual behavior and attitudes; variation in gendered sexuality by key social characteristics and how gendered sexuality is constructed and controlled; changes in sexuality over time and across relationship types, focusing on changes in sexual desire and behaviors and on the changing meaning of sex and marriage in U.S. society and other countries. Contemporary debates about sexuality will also be examined.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Liana Sayer        | Seats (Total: 29) |
|      | MW 3:30pm - 4:45pm | ASY 3207          |

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**SOCY457      Sociology of Law**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Social, political, and cultural sources of legal norms and concepts (such as property, privacy, contract, institution, and liability), as well as the role of law in interpersonal and intergroup dispute resolution. Emphasis on civil law.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Dawn Dow              | Seats (Total: 29) |
|      | TuTh 12:30pm - 1:45pm | TLF 1103          |

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**SOCY490      Experimental Research Practicum**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of instructor. Additional information: This is the first course in the experimental research practicum 2-course sequence.*

*Hands-on experience in designing, conducting, and analyzing experimental research. Introduces students to causal inference in social scientific research, focusing on experimental designs. Students will get hands-on research experience running experimental studies in the group processes lab. Students will also work with the professor and graduate students in the department to develop a research idea that can be executed in the spring semester.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Long Doan             | Seats (Total: 10) |
|      | TuTh 12:30pm - 1:45pm | ASY 1101          |

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**SOCY498M      Selected Topics in Sociology; Qualitative Research Methods in Sociology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics of special interest to advanced undergraduates in sociology. Such courses will be offered in response to student request and faculty interest.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Dawn Dow               | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | ASY 1101          |

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**SOCY498T      Selected Topics in Sociology; Black Middle Class**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics of special interest to advanced undergraduates in sociology. Such courses will be offered in response to student request and faculty interest.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Kris Marsh           | Seats (Total: 29) |
|      | TuTh 8:00am - 9:15am | ASY 3207          |

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**SOCY602      Statistics For Sociological Research II**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: SOCY601; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor. Credit only granted for: SOCY602 or SURV602.*

*This course introduces regression analysis using matrix algebra. Topics include bivariate regression, multivariate regression, tests of significance, regression diagnostics, indicator variables, interaction terms, extra sum of squares, and the general linear model. Other topics may be addressed such as logistic regression and path analysis. Statistical programming software may be used.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Alan Neustadtl     | Seats (Total: 20) |
|      | Th 3:30pm - 6:00pm | ASY 1101          |

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**SOCY611      Introduction to Demographic Methods**

Credits: 3                      Grading Method: Regular,  
Audit

*Survey of standard demographic methods for the description and analysis of population size, structure and composition, including techniques for the analysis of fertility, mortality and migration.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Joan Kahn         | Seats (Total: 20) |
|      | W 3:30pm - 6:00pm | ASY 3215          |

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**SOCY616      Sociology Pro-Seminar**

Credits: 1                      Grading Method: Sat-Fail

*Restriction: Must be in Sociology (Doctoral) program. Credit only granted for: SOCCY699P or SOCY616. Formerly: SOCY699P.*

*The proseminar is the guide to Sociology as a profession, and how sociology is practiced here at the University of Maryland. The goal of the course is to help students gain insider knowledge about how to develop sociological knowledge and capabilities, and what it means to practice sociology as a graduate student and beyond. The course will discuss both practical aspects of professional life in general and specific topics of interest.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Liana Sayer       | Seats (Total: 20) |
|      | M 6:30pm - 7:20pm | ASY 1101          |

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**SOCY620      Development of European and American Sociological Theory**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: SOCY203 or SOCY403; or students who have taken courses with comparable content may contact the department; or permission of instructor.*

*Review of the history of sociological thought with major attention to the key figures (from Marx to C. Wright Mills).*

For SOCY majors only.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Meyer Kestnbaum    | Seats (Total: 20) |
|      | Tu 3:30pm - 6:00pm | ASY 2115          |

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**SOCY664      Armed Forces and Society**

Credits: 3                      Grading Method: Regular,  
Audit

*Analysis of the relationship between military organization and modern industrial society. Growth and decline of the mass army, the transition from conscription to all-volunteer forces, the social legitimacy of military organization, the military as a form of industrial organization, and problems of civil-military relations in the modern world.*



|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Meredith Kleykamp  | Seats (Total: 20) |
|      | Tu 6:30pm - 9:00pm | ASY 1101          |

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**SOCY699 Special Social Problems**

Credits: 1-16      Grading Method: Regular

**Contact department for information to register for this course.**

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**SOCY699D Special Social Problems; Logic of Social Inquiry**

Credits: 3      Grading Method: Regular,  
Audit

Restricted to Sociology Graduate Students

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Long Doan         | Seats (Total: 20) |
|      | M 3:30pm - 6:00pm | ASY 1101          |

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**SOCY699E Special Social Problems; Critical Race Initiative**

(Perm req)

Credits: 1      Grading Method: Regular,  
Audit

Restriction: Permission of Instructor required. Please contact instructor or department for details.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Rashawn Ray         | Seats (Total: 10) |
|      | F 11:00am - 11:50am | Location: TBA     |

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**SOCY699F Special Social Problems; Families and Modern Social Theory**

Credits: 3      Grading Method: Regular,  
Audit

Restriction: Sociology Graduate students or permission of instructor.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Philip Cohen      | Seats (Total: 20) |
|      | W 6:30pm - 9:00pm | ASY 1101          |

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**SOCY699G Special Social Problems; Group Processes**

Credits: 3      Grading Method: Regular,  
Audit

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Jeffrey Lucas      | Seats (Total: 20) |
|      | Tu 3:30pm - 6:00pm | ASY 1101          |

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**SOCY699M Special Social Problems; Pro-Seminar for BA/MA Students**

(Perm req)

Credits: 1      Grading Method: Regular,  
Audit

Restricted to students in the 5-Year BA/MA Sociology program.

|      |   |                   |
|------|---|-------------------|
| 0101 | Alan Neustadtl                                | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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**SOCY699R Special Social Problems; Sociological Research**

Credits: 1      Grading Method: Regular,  
Audit

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Liana Sayer         | Seats (Total: 20) |
|      | F 11:00am - 12:30pm | ASY 1101          |

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**SOCY699V Special Social Problems; Contexting Sociology**

Credits: 1      Grading Method: Regular,  
Audit

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Philip Cohen         | Seats (Total: 10) |
|      | Tu 11:00am - 11:50am | ASY 4111          |

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**SOCY709D Advanced Special Topics in Data Analysis; Categorical Data Analysis**

Credits: 3      Grading Method: Regular,  
Audit

*An intensive examination of an area of interest in data analysis, including such topics as log linear analysis; discriminant function analysis; canonical correlation; factor analysis; analysis of qualitative data; content analysis; mathematical models.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Feinian Chen       | Seats (Total: 20) |
|      | Th 3:30pm - 6:00pm | ASY 2115          |

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**SOCY799 Master's Thesis Research**

(Perm req)

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

**SOCY819      Research Seminar in Social Psychology**

Credits: 1      Grading Method: Regular,  
Audit

*An advanced research seminar for students preparing to do research or take comprehensive examinations in social psychology.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Jeffrey Lucas                                 | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

**SOCY829      Research Seminar in Sociological Theory**

Credits: 1      Grading Method: Regular, Audit

*An advanced research seminar for students preparing to do research or take comprehensive examinations in sociological theory.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Meyer Kestnbaum                               | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

**SOCY849      Research Seminar in Demography**

Credits: 1      Grading Method: Regular, Audit

*An advanced research seminar for students preparing to do research or take comprehensive examinations in demography.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Sonalde Desai                                 | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

**SOCY858      Research Seminar in Gender, Work and Family**

Credits: 1      Grading Method: Regular, Audit

*An advanced research seminar for students preparing to do research or take the specialty examination in Gender, Work and Family.*

|   |             |                   |
|---|-------------|-------------------|
| 0101  | Liana Sayer | Seats (Total: 10) |
| Contact instructor or department for details. |             |                   |

**SOCY869      Research Seminar in Military Sociology**

Credits: 1      Grading Method: Regular, Audit

*An advanced research seminar for students preparing to do research or take comprehensive examinations in military sociology.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Meredith Kleykamp                             | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

**SOCY889      Research Seminar in Social Stratification**

Credits: 1      Grading Method: Regular,  
Audit

*An advanced research seminar for students preparing to do research or take comprehensive examinations in stratification.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Philip Cohen                                  | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

**SOCY898      Pre-Candidacy Research**

(Perm req)

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

**SOCY899      Doctoral Dissertation Research**

(Perm req)

Credits: 6      Grading Method: Regular

**Contact department for information to register for this course.**

**SPAN**      **Spanish**

## Spanish

## Fall 2017

**SPAN103**      **Intensive Elementary Spanish**

Credits: 4      Grading Method: Regular, Pass-Fail, Audit

*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Spanish. Credit only granted for: SPAN102 or SPAN103.*

*Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Carla Onate           | Seats (Total: 25) |
|      | MWF 10:00am - 10:50am | JMZ 1117          |
|      | Tu 10:00am - 10:50am  | JMZ 2207          |

|      |                         |                   |
|------|-------------------------|-------------------|
| 0201 | Carla Onate             | Seats (Total: 25) |
|      | MWF 11:00am - 11:50am   | JMZ 3120          |
|      | Tu 11:00am - 11:50am    | JMZ 0120          |
| 0301 | Rosario Montero Navarro | Seats (Total: 25) |
|      | MWF 12:00pm - 12:50pm   | JMZ 1124          |
|      | Tu 12:00pm - 12:50pm    | JMZ 1124          |
| 0401 | Juan Granja             | Seats (Total: 25) |
|      | MWF 1:00pm - 1:50pm     | JMZ 0120          |
|      | Tu 1:00pm - 1:50pm      | HBK 0123          |
| 0501 | Jackson Monzon          | Seats (Total: 25) |
|      | MWF 2:00pm - 2:50pm     | JMZ 0120          |
|      | Tu 2:00pm - 2:50pm      | JMZ 0120          |

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**SPAN169O Special Topics in Study Abroad I; Beginner Spanish I**

Credits: 6                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN169P Special Topics in Study Abroad I; Beginner Spanish II**

Credits: 6                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN169X Special Topics in Study Abroad I; Elementary Spanish I**

Credits: 1-6                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN169Y Special Topics in Study Abroad I; Elementary Spanish II**

Credits: 1-6                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN203**

**Intensive Intermediate Spanish**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: HO

*Prerequisite: SPAN103; or must have appropriate Foreign Language Placement Test (FLPT) score.*

*Restriction: Must not be a native/fluent speaker of Spanish.*

*Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.*

|      |                         |                   |
|------|-------------------------|-------------------|
| 0101 | Douglas Glynn           | Seats (Total: 25) |
|      | MWF 9:00am - 9:50am     | JMZ 2207          |
|      | Th 9:00am - 9:50am      | JMZ 2122          |
| 0201 | Jose Magro              | Seats (Total: 25) |
|      | MWThF 10:00am - 10:50am | JMZ 1124          |
| 0301 | Jose Magro              | Seats (Total: 25) |
|      | MWF 11:00am - 11:50am   | JMZ 1124          |
|      | Th 11:00am - 11:50am    | JMZ 1117          |
| 0401 | M Lewis                 | Seats (Total: 25) |
|      | MWF 11:00am - 11:50am   | JMZ 1120          |
|      | Th 11:00am - 11:50am    | JMZ 1120          |
| 0501 | Jose Magro              | Seats (Total: 25) |
|      | MWF 12:00pm - 12:50pm   | JMZ 3203          |
|      | Th 12:00pm - 12:50pm    | JMZ 1120          |
| 0601 | Evelyn Canabal-Torres   | Seats (Total: 25) |
|      | MWF 1:00pm - 1:50pm     | JMZ 1224          |
|      | Th 1:00pm - 1:50pm      | JMZ 0122          |
| 0701 | M Lewis                 | Seats (Total: 25) |
|      | MWThF 1:00pm - 1:50pm   | JMZ 1124          |
| 0801 | Evelyn Canabal-Torres   | Seats (Total: 25) |
|      | MWThF 2:00pm - 2:50pm   | JMZ 1124          |

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**SPAN204**

**Spanish Grammar Review**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: HO

*Prerequisite: SPAN203; or must have appropriate Foreign Language Placement Test (FLPT) score.*

*Restriction: Not open to fluent/native speakers of Spanish.*

*An in-depth study and analysis of selected grammatical topics in a contextualized framework.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Douglas Glynn<br>MWF 11:00am - 11:50am            | Seats (Total: 25)<br>HBK 0123 |
| 0201 | Melissa Gonzalez-Contreras<br>MWF 1:00pm - 1:50pm | Seats (Total: 25)<br>JMZ 2122 |
| 0301 | Nidia Reyes<br>TuTh 11:00am - 12:15pm             | Seats (Total: 25)<br>JMZ 0205 |
| 0401 | Cecilia Battauz<br>TuTh 12:30pm - 1:45pm          | Seats (Total: 25)<br>KNI 1105 |

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**SPAN206                      Review of Oral and Written Spanish for Native Speakers Educated in the United States**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Native or near native knowledge of and no formal education in Spanish.*

*Review of oral and written Spanish for students who have native or near native knowledge of, but no formal education in Spanish. Taught in Spanish.*

Offered fall only.

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Evelyn Canabal-Torres<br>MWF 10:00am - 10:50am | Seats (Total: 25)<br>JMZ 0118 |
|------|--|-------------------------------|

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**SPAN207                      Reading and Writing in Spanish**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: DSHU

*Prerequisite: Minimum grade of B+ in SPAN203; or must have completed or be concurrently enrolled in SPAN204; or must have appropriate Foreign Language Placement Test (FLPT) score.*

*Selected readings with emphasis on reading comprehension and the development of reading strategies. Work in composition writing and a review of selected grammatical topics. Complements material of SPAN204.*

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Chila Hidalgo<br>MWF 10:00am - 10:50am       | Seats (Total: 25)<br>JMZ 3205 |
| 0201 | Chila Hidalgo<br>MWF 11:00am - 11:50am       | Seats (Total: 25)<br>JMZ 0103 |
| 0301 | Chila Hidalgo<br>MWF 12:00pm - 12:50pm       | Seats (Total: 25)<br>JMZ 0118 |
| 0401 | Sofia Maurette<br>TuTh 9:30am - 10:45am      | Seats (Total: 25)<br>HBK 1112 |
| 0501 | Nelida Devesa-Gomez<br>TuTh 12:30pm - 1:45pm | Seats (Total: 25)<br>KEY 0102 |

#### SPAN234

#### Issues in Latin American Studies I

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO, D      General Education: DSHS, DSHU, DVUP

*Also offered as: PORT234, LASC234. Credit only granted for: SPAN234, PORT234, or LASC234.*

*Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.*

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Britta Anderson<br>MW 11:00am - 12:15pm  | Seats (Total: 30)<br>TWS 1106 |
| 0201 | Britta Anderson<br>TuTh 12:30pm - 1:45pm | Seats (Total: 35)<br>CCC 1111 |

#### SPAN234H

#### Issues in Latin American Studies I

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO, D      General Education: DSHS, DSHU, DVUP

*Also offered as: PORT234, LASC234. Credit only granted for: SPAN234, PORT234, or LASC234.*

*Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.*

Open to Honor students only.





*Prerequisite: Must have completed or be concurrently enrolled in SPAN207.*

*Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical, and stylistic devices will be highlighted.*

|      |   |   |
|------|---|---|
| 0101 | Ana Acedo Garcia<br>MWF 10:00am - 10:50am                           | Seats (Total: 20)<br>JMZ 0103           |
| 0201 | Ana Acedo Garcia<br>MWF 11:00am - 11:50am                           | Seats (Total: 20)<br>JMZ 1117           |
| 0301 | Melissa Gonzalez-Contreras<br>MWF 12:00pm - 12:50pm                 | Seats (Total: 20)<br>JMZ 2117           |
| 0401 | Ana Acedo Garcia<br>MWF 1:00pm - 1:50pm                             | Seats (Total: 20)<br>JMZ 1117           |
| 0501 | Chila Hidalgo<br>MWF 2:00pm - 2:50pm                                | Seats (Total: 20)<br>JMZ 0125           |
| 0601 | Jose Contreras<br>MWF 10:00am - 10:50am                             | Seats (Total: 20)<br>HBK 0123           |
| BL01 | Luis Charry<br>TuTh 11:00am - 12:15pm<br>Class time/details on ELMs | Seats (Total: 20)<br>JMZ 2120<br>ONLINE |
| BL02 | Carla Onate<br>TuTh 12:30pm - 1:45pm<br>Class time/details on ELMs  | Seats (Total: 20)<br>JMZ 2125<br>ONLINE |

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**SPAN302      Advanced Grammar and Composition II**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SPAN301.*

*Practice in and writing of different types of compositions and essays, including narrations, descriptions, and persuasive writing. Review of problematic syntactical structures.*

**Contact department for information to register for this course.**

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**SPAN303      Approaches to Cultural Materials in the Hispanic World**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSHU

*Prerequisite: SPAN301; and must have completed or be concurrently enrolled in SPAN311 or SPAN316.*

*Development of proficiency in critical thought through the reading, viewing, and analytical discussion of major genres and styles of cultural materials selected from Spanish-speaking world. Taught in Spanish.*

|      |   |   |
|------|---|---|
| 0101 | Hernan Sanchez<br>MW 2:00pm - 3:15pm                          | Seats (Total: 20)<br>JMZ 2207             |
| 0201 | Melissa Gonzalez-Contreras<br>MWF 10:00am - 10:50am           | Seats (Total: 20)<br>JMZ 2207             |
| 0301 | Melissa Gonzalez-Contreras<br>MWF 11:00am - 11:50am           | Seats (Total: 20)<br>JMZ 2207             |
| 0401 | M Lewis<br>MWF 12:00pm - 12:50pm                              | Seats (Total: 20)<br>JMZ 2122             |
| 0501 | Ryan Long<br>MWF 1:00pm - 1:50pm                              | Seats (Total: 20)<br>JMZ 2123             |
| 0601 | Luis Charry<br>TuTh 9:30am - 10:45am                          | Seats (Total: 20)<br>JMZ 1226             |
| 0701 | Douglas Glynn<br>Tu 11:00am - 12:15pm<br>Th 11:00am - 12:15pm | Seats (Total: 20)<br>JMZ 1117<br>JMZ 2206 |

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## SPAN306

### Spanish II for Native Speakers

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SPAN206.*

*Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical and stylistic devices will be highlighted. Designed for Spanish speakers educated in English. Taught in Spanish.*

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Evelyn Canabal-Torres<br>MWF 11:00am - 11:50am | Seats (Total: 25)<br>JMZ 0208 |
|------|--|-------------------------------|

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**SPAN310****Spanish Phonetics**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SPAN301 and SPAN303; and permission of ARHU-School of Languages, Literatures, and Cultures department.*

*Descriptive study of the Spanish sound system. Practice in phonetic perception, transcription, and articulation. Particular attention to sentence phonetics; juncture, rhythm, stress, pitch.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Ana Acedo Garcia      | Seats (Total: 20) |
|      | MWF 12:00pm - 12:50pm | JMZ 2206          |

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**SPAN311****Advanced Conversation I**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SPAN301; and must have completed or be concurrently enrolled in SPAN303.*

*Restriction: Must not be a native/fluent speaker of Spanish.*

*Further development of listening, speaking, and writing skills in Spanish. Opportunity to develop oral and written fluency, improve pronunciation and increase vocabulary. Individual and/or group oral presentations. Taught in Spanish.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Elisa Gironzetti    | Seats (Total: 20) |
|      | MWF 1:00pm - 1:50pm | JMZ 2117          |

|      |                      |                   |
|------|----------------------|-------------------|
| 0201 | Maria Bort Caballero | Seats (Total: 20) |
|      | TuTh 2:00pm - 3:15pm | KEY 0125          |

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**SPAN315****Commercial Spanish I**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SPAN301 and SPAN303; or permission of ARHU-School of Languages, Literatures, and Cultures department.*

*Business Spanish terminology, vocabulary and practices. Emphasis on everyday spoken and written Spanish. Readings and discussions of Spanish commercial topics. May include exposure to Spanish commercial topics. May include exposure to Spanish business environments.*

Offered fall only.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Fabian Faccio         | Seats (Total: 20) |
|      | MWF 10:00am - 10:50am | JMZ 3203          |
| 0201 | Kayla Watson          | Seats (Total: 20) |
|      | MWF 11:00am - 11:50am | JMZ 2206          |
| 0301 | Kayla Watson          | Seats (Total: 20) |
|      | MWF 1:00pm - 1:50pm   | JMZ 2206          |

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**SPAN316**
**Practicum in Translation I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SPAN301; and must have completed or be concurrently enrolled in SPAN303.*

*Translation of texts into Spanish and/or English. Taught in Spanish.*

Offered fall only.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Ginette Eldredge      | Seats (Total: 20) |
|      | MWF 10:00am - 10:50am | JMZ 1215          |
| 0201 | Ginette Eldredge      | Seats (Total: 20) |
|      | MWF 11:00am - 11:50am | JMZ 3203          |
| 0301 | Sarah Dowman          | Seats (Total: 20) |
|      | MWF 12:00pm - 12:50pm | JMZ 2207          |

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**SPAN317**
**Translation II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SPAN316.*

*Translation of non-literary, non-technical texts into Spanish and/or English.*

**Contact department for information to register for this course.**

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**SPAN318**
**Translation of Technical Texts**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Specialized texts in law and international affairs into Spanish and/or English. Taught in Spanish.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Jose Magro          | Seats (Total: 20) |
|      | MWF 1:00pm - 1:50pm | JMZ 0122          |

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**SPAN331 Spanish Culture, Civilization and Literature I: Medieval Times**

Credits: 3      Grading Method: Regular,      General Education: DSHU  
Pass-Fail, Audit

*Prerequisite: SPAN303; and (SPAN311 or SPAN316).*

*The exploration of cultures of the Iberian Peninsula from its origins until the 15th century as well as the study of historical and political events that gave rise to the Spanish state. Taught in Spanish.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Carmen Benito-Vessels | Seats (Total: 25) |
|      | TuTh 12:30pm - 1:45pm | JMZ 3203          |

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**SPAN332 Spanish Culture, Civilization and Literature II: Renaissance and Baroque**

Credits: 3      Grading Method: Regular,      General Education: DSHU  
Pass-Fail, Audit

*Prerequisite: SPAN303; and (SPAN311 or SPAN316).*

*An overview of cultural and literary production of Spain from the late 15th through late 17th centuries, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. Taught in Spanish.*

**Contact department for information to register for this course.**

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**SPAN333 Spanish Culture, Civilization and Literature III: Modern Times**

Credits: 3      Grading Method: Regular,      General Education: DSHU  
Pass-Fail, Audit

*Prerequisite: SPAN303; and (SPAN311 or SPAN316).*

*An overview of cultural and literary production of Spain from the late 17th century through the present day, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. Taught in Spanish.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Jose Naharro-Calderon | Seats (Total: 25) |
|      | MWF 1:00pm - 1:50pm   | JMZ 1215          |

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**SPAN359B Spanish for the Professions; Spanish in the Community**

(Perm req)      Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Exploration of cultural and linguistic skills for different professional contexts including vocabulary, listening, speaking, reading and strategies. No experience in the professional area necessary. Taught in Spanish.*

Prerequisite: SPAN 316. As the Latina/o population grows in the U.S. and the D.C. metro area, speaking Spanish is a plus, if not a must, in many professions. SPAN 359B will expose you to Latin@ demographics, cultures, communities, and work opportunities. This semester we will work in College Park to develop educational materials, parent ESL classes, and tutoring sessions for students. As part of a 9-10 hour service-learning requirement (date/times TBD), students will have the opportunity to work in a local school, teaching English to parents and tutoring children. This class is ideal for students interested in careers in education, social services, translation / interpretation, communication, business, etc. Class format consists of lecture, discussion, blogging, digital storytelling, and collaborative group work in and outside of the classroom. Taught in Spanish and English as part of a Bilingual Series of classes.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Ana Rodriguez          | Seats (Total: 20) |
|      | TuTh 11:00am - 12:15pm | JMZ 2117          |

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### **SPAN359C      Spanish for the Professions; Spanish in the Life Sciences**

Credits: 3-9      Grading Method: Regular,  
Pass-Fail, Audit

*Exploration of cultural and linguistic skills for different professional contexts including vocabulary, listening, speaking, reading and strategies. No experience in the professional area necessary. Taught in Spanish.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Jose Contreras        | Seats (Total: 20) |
|      | MWF 12:00pm - 12:50pm | JMZ 2120          |

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### **SPAN361      Latin American Literatures and Cultures I: From Pre-Columbian to Colonial Times**

Credits: 3      Grading Method: Regular,      General Education: DSHU,  
Pass-Fail, Audit      DVUP

*Prerequisite: SPAN303; and (SPAN311 or SPAN316).*

*Overview of cultural history of Latin America from pre-Columbian civilizations to the Colonial period, exploring the foundations of the Spanish American cultural and literary tradition to approximately 1770. Taught in Spanish.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Ginette Eldredge      | Seats (Total: 25) |
|      | MWF 12:00pm - 12:50pm | JMZ 1117          |
| 0201 | Eyda Merediz          | Seats (Total: 25) |
|      | TuTh 9:30am - 10:45am | JMZ 1117          |

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**SPAN361H Latin American Literatures and Cultures I: From Pre-Columbian to Colonial Times**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSHU,  
DVUP

*Prerequisite: SPAN303; and (SPAN311 or SPAN316).*

*Overview of cultural history of Latin America from pre-Columbian civilizations to the Colonial period, exploring the foundations of the Spanish American cultural and literary tradition to approximately 1770. Taught in Spanish.*

|      |                       |                  |
|------|-----------------------|------------------|
| 0101 | Ginette Eldredge      | Seats (Total: 1) |
|      | MWF 12:00pm - 12:50pm | JMZ 1117         |

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**SPAN362 Latin American Literatures and Cultures II: From Independence to Nation Formation**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSHU,  
DVUP

*Prerequisite: SPAN303; and (SPAN311 or SPAN316).*

*An overview of cultural and literary production of Latin America from the 18th Century to approximately 1900, exploring the production of literary texts in their socio-historical, political, and cultural contexts and development. Taught in Spanish.*

**Contact department for information to register for this course.**

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**SPAN363 Latin American Literatures and Cultures III: From Modernism to Neo-Liberalism**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSHU,  
DVUP

*Prerequisite: SPAN303; and (SPAN311 or SPAN316).*

*An overview of cultural and literary production of Latin America from the late 19th through the early 21st centuries, exploring the production of literary texts in their socio-historical, political, and cultural contexts and development. Taught in Spanish.*

|      |                               |                   |
|------|-------------------------------|-------------------|
| 0101 | Juan Carlos Quintero-Herencia | Seats (Total: 16) |
|      | MWF 10:00am - 10:50am         | JMZ 3118          |

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|------|-----------------------|-------------------|
| 0201 | Saul Sosnowski        | Seats (Total: 25) |
|      | TuTh 12:30pm - 1:45pm | JMZ 2206          |

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**SPAN369A Special Topics in Study Abroad III; Advanced Oral Communication in Spanish**



Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN369B      Special Topics in Study Abroad III; Advanced Academic Writing in Spanish**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN369F      Special Topics in Study Abroad III; Spanish Oral Skills through Theatre**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN369G      Special Topics in Study Abroad III; Spanish for the Health Professional**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN369J      Special Topics in Study Abroad III; Spanish Grammar and Expression**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN369M      Special Topics in Study Abroad III; Spanish Language B2**

Credits: 6                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN369O      Special Topics in Study Abroad III; Spanish Conversation and Oral Skills**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN369P      Special Topics in Study Abroad III; Spanish Oral Techniques**

Credits: 2                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN369Q      Special Topics in Study Abroad III; Spanish Phonetics and Phonology**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN369R      Special Topics in Study Abroad III; Advanced Reading Skills in Spanish**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN369V      Special Topics in Study Abroad III; Advanced Present-Day Spanish Usage**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN369W      Special Topics in Study Abroad III; Spanish Stylistics: Advanced Spanish Writing and Stylistics**

Credits: 1-6                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN369Y      Special Topics in Study Abroad III; B2 Advanced Level Spanish 1**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN369Z                      Special Topics in Study Abroad III; B2 Advanced Level Spanish 2**

Credits: 6                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN386                      Experiential Learning**

(Perm req)                      Credits: 3-6                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department.*  
*Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

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**SPAN399                      Independent Study in Spanish**

(Perm req)                      Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Specific readings in literature or a translation project under the supervision of a faculty member of the department.*

Prerequisite: permission of department.

**Contact department for information to register for this course.**

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**SPAN401                      Advanced Composition I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SPAN302; or permission of ARHU-School of Languages, Literatures, and Cultures department.*

*Compositions and essays with emphasis on stylistics, idiomatic and syntactic structures. Organization and writing of research papers.*

**Contact department for information to register for this course.**

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**SPAN402                      Advanced Composition II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SPAN401; or permission of ARHU-School of Languages, Literatures, and Cultures department.*

*Compositions and essays with emphasis on stylistics, idiomatic and syntactic structures. Organization and writing of research papers.*

**Contact department for information to register for this course.**

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**SPAN408R                      Great Themes of the Hispanic Literatures; Central American Diasporas**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Major themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.*

Also offered as USLT418C. Credit granted for SPAN408R or USLT418C. Focus is placed on Central American Diasporas in the context of modern Central American societies, histories, (geo)politics, social and revolutionary movements, and cultural and literary production. It offers students an opportunity to learn more about Central America and its diasporic communities within and beyond the isthmus. Located between oceans, continents, and worldviews, the Central American isthmus has been a site of dispersion and cross-pollination of flora, fauna, peoples, cultures, and stories within and outside of the region. Covering El Salvador, Guatemala, Nicaragua, Honduras, Costa Rica, Panama, Belize, and their translocations, we will study representative Central American texts and critical diasporic literature in relation to exile, (im)migration, war, genocide, violence, transnationalism, globalization, among other topics.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Ana Rodriguez        | Seats (Total: 25) |
|      | TuTh 3:30pm - 4:45pm | JMZ 3120          |

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**SPAN408Y                      Great Themes of the Hispanic Literatures; Contemporary Spanish Short Story**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Major themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.*

**Contact department for information to register for this course.**

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**SPAN409F                      Great Themes of the Hispanic Literatures; Literary Myths and Philosophy in the European Tradition**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.*

**Contact department for information to register for this course.**

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**SPAN409L      Great Themes of the Hispanic Literatures; 20th Century and Contemporary Latin American Short Story**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.*

**Contact department for information to register for this course.**

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**SPAN409O      Great Themes of the Hispanic Literatures; Images of Spain in Contemporary Cinema**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.*

**Contact department for information to register for this course.**

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**SPAN409W      Great Themes of the Hispanic Literatures; Women Writers of Spain**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.*

**Contact department for information to register for this course.**

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**SPAN409X      Great Themes of the Hispanic Literatures; The Spanish Mystery Novel**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.*

**Contact department for information to register for this course.**

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**SPAN409Y      Great Themes of the Hispanic Literatures; Filmmaking in Spain**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.*

**Contact department for information to register for this course.**

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**SPAN415**

**Commercial Spanish II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SPAN370; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Sophomore standing or higher.*

*Business Spanish terminology, vocabulary and practices. Emphasis on everyday spoken and written Spanish. Readings and discussions of international topics. Cross-cultural considerations relative to international business operations, including exporting and banking.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Fabian Faccio       | Seats (Total: 20) |
|      | MWF 1:00pm - 1:50pm | JMZ 0103          |

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**SPAN422**

**Cross-Cultural Communication**

Credits: 3                      Grading Method: Regular,                      General Education: DVCC  
Pass-Fail, Audit

*Prerequisite: SPAN370 OR SPAN371 OR SPAN373 OR SPAN 374. Restriction: Junior standing or higher.*

*Focuses on the relationship of language and culture of those operating in world markets. Particular attention will be given to intercultural communication, linguistic systems, culture specific perceptions of, and negotiation with, the Spanish-speaking world. Taught in Spanish.*

**Contact department for information to register for this course.**

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**SPAN425**

**Introduction to Hispanic Linguistics I: Basic Concepts**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SPAN303; and SPAN311 or SPAN316 or SPAN325.*

*This course begins with an introduction to general concepts in linguistics, from language function and the brain to communication, culture, and thought, and their relation to other disciplines in the social sciences. The main purpose of this course is to provide an overview of Hispanic linguistics through multiple perspectives, while exploring the areas of Spanish morphology, syntax, and semantics. This course will also focus on the structural tendencies of Spanish through a variety of practical activities. Taught in Spanish.*

Also offered as SPAN625. Credit granted for SPAN425 or SPAN625.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Elisa Gironzetti   | Seats (Total: 20) |
|      | MW 4:00pm - 5:15pm | JMZ 0122          |

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**SPAN427**      **Visions and Fictions from Spain**

Credits: 3                      Grading Method: Regular

*Prerequisite: SPAN331, SPAN332, or SPAN333; or students who have taken courses with comparable content may contact the department; or permission of ARHU-Spanish & Portuguese Languages & Literatures department. Also offered as: FILM427. Credit only granted for: FILM427 or SPAN427.*

*Overview of Spanish Cinema from the end of the 19th century through present day Spain. Exploration of the production of literary and cinematic texts in their sociohistorical, political, religious and cultural contexts. Taught in Spanish.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Jose Naharro-Calderon | Seats (Total: 25) |
|      | MW 2:00pm - 3:15pm    | JMZ 1122          |

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**SPAN449J**      **Special Topics in Spanish Civilization; Mosaic: Jews, Muslims and the Spanish Experience**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*An intensive study of a selected topic related to Spanish civilization.*

**Contact department for information to register for this course.**

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**SPAN449Z**      **Special Topics in Spanish Civilization; Barcelona/ Madrid: Literature & Film in the Contemporary City**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*An intensive study of a selected topic related to Spanish civilization.*

**Contact department for information to register for this course.**

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**SPAN462**      **Twentieth Century Drama**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SPAN333, SPAN361, SPAN331, SPAN332, SPAN362, or SPAN363.*

*Significant plays of the twentieth century.*

**Contact department for information to register for this course.**

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**SPAN463**      **Latin American Drama**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SPAN333, SPAN361, SPAN331, SPAN332, SPAN362, or SPAN363.*

*Emphasis will be placed on Latin American plays of the twentieth century.*

**Contact department for information to register for this course.**

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**SPAN464 Contemporary Spanish Poetry**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SPAN333, SPAN361, SPAN331, SPAN332, SPAN362, or SPAN363.*

*Spanish poetry from the generation of 1927 to the present.*

**Contact department for information to register for this course.**

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**SPAN469C Study Abroad Special Topics IV; Composition**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN469D Study Abroad Special Topics IV; Chilean History**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN478B Special Topics in United States Latino Cultures; Spanish in the United States**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Explores special topics in US Latino Cultures, ranging from Chicano, Nuyorican, Cuban-American, Dominican, Central-American and other border cultural identities.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Manel Lacorte      | Seats (Total: 25) |
|      | Tu 2:00pm - 3:15pm | JMZ 2207          |
|      | Th 2:00pm - 3:15pm | JMZ 2207          |

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**SPAN479 Honors Thesis**

(Perm req)

Credits: 3-6                      Grading Method: Regular,  
Pass-Fail, Audit

*Researching and writing an honors thesis under the direction of a professor.*



**Contact department for information to register for this course.**

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**SPAN495**

**Honors Reading**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must be in Spanish and Portuguese Honors; or permission of ARHU-School of Languages, Literatures, and Cultures department.*

*Supervised reading.*

**Contact department for information to register for this course.**

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**SPAN625**

**Introduction to Hispanic Linguistics I: Basic Concepts**

Credits: 3                      Grading Method: Regular,  
Audit

*Introduction to basic terms and definition in Hispanic Linguistics. Fundamental aspects of phonology, morphology, syntax, semantics, sociolinguistics, and pragmatics.*

Also offered as SPAN425. Credit granted for SPAN425 or SPAN625.

|      |                    |                  |
|------|--------------------|------------------|
| 0101 | Elisa Gironzetti   | Seats (Total: 5) |
|      | MW 4:00pm - 5:15pm | JMZ 0122         |

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**SPAN699**

**Independent Study in Spanish**

Credits: 1-3                      Grading Method: Regular,  
Audit

*This course is designed to provide graduate students an opportunity to pursue independent study under the supervision of a member of the department.*

**Contact department for information to register for this course.**

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**SPAN798T**

**Open Seminar; Caribbean Archipelago: Politics, Infrapolitics**

Credits: 3                      Grading Method: Regular,  
Audit

|      |                               |                   |
|------|-------------------------------|-------------------|
| 0101 | Juan Carlos Quintero-Herencia | Seats (Total: 10) |
|      | W 5:00pm - 7:30pm             | JMZ 2125          |

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**SPAN798V**

**Open Seminar; History of Spanish**

Credits: 3                      Grading Method: Regular,  
Audit

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Carmen Benito-Vessels | Seats (Total: 10) |
|      | Tu 5:00pm - 7:30pm    | JMZ 3118          |

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**SPAN798W      Open Seminar; Spanish Drama of the Golden Age (From Cervantes to Calderon)**

Credits: 3                      Grading Method: Regular,  
Audit

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Hernan Sanchez    | Seats (Total: 10) |
|      | M 5:00pm - 7:30pm | JMZ 2123          |

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**SPAN798Z      Open Seminar; Indispensable Writers I: Cities and Travellers**

Credits: 3                      Grading Method: Regular,  
Audit

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Saul Sosnowski     | Seats (Total: 10) |
|      | Th 5:00pm - 7:30pm | JMZ 2207          |

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**SPAN799      Master's Thesis Research**

Credits: 1-6                      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**SPAN898      Pre-Candidacy Research**

Credits: 1-8                      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**SPAN899      Doctoral Dissertation Research**

(Perm req)

Credits: 6                      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**SPHL                      Public Health                      Fall 2017**

**SPHL240      Public Health Engagement**

Credits: 2                      Grading Method: Regular

*Restriction: Restricted to transfer students with 60 credits or less.*

*Designed to immediately engage transfer students into the professional culture of public health, this course will focus upon successfully negotiating a large public institution while emphasizing the importance of 1) intellectual scholarship, 2) cultivation of mentor relationships, 3) internships, 4) career opportunities, and 5) direct engagement in the improvement of personal health through physical activity.*

Must be a student in PHSC, KNES, FMSC or HLTH.

|      |                            |                   |
|------|----------------------------|-------------------|
| 0101 | Andrea Romeo, Jaime Oliver | Seats (Total: 30) |
|      | TuTh 11:00am - 12:15pm     | SPH 0107          |

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## STAT      **Statistics and Probability**      **Fall 2017**

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### STAT100      **Elementary Statistics and Probability**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: MS      General Education: FSAR, FSMA

*Prerequisite: MATH110, MATH112, MATH113, or MATH115; or permission of CMNS-Mathematics department; or must have math eligibility of STAT100 or higher and math eligibility is based on the Math Placement Exam or the successful completion of Math 003 with appropriate eligibility. Restriction: Must not have completed MATH111; or must not have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: STAT100, MATH107 or MATH111.*

*Simplest tests of statistical hypotheses; applications to before-and-after and matched pair studies. Events, probability, combinations, independence. Binomial probabilities, confidence limits. Random variables, expected values, median, variance. Tests based on ranks. Law of large numbers, normal approximation. Estimates of mean and variance.*

|      |                       |                          |
|------|-----------------------|--------------------------|
| 0111 | Susan Mazzullo        | Seats (Total: 28)        |
|      | MW 10:00am - 10:50am  | ARM 0126                 |
|      | MWF 8:00am - 8:50am   | PHY 4206      Discussion |
| 0121 | Susan Mazzullo        | Seats (Total: 28)        |
|      | MW 10:00am - 10:50am  | ARM 0126                 |
|      | MWF 9:00am - 9:50am   | PHY 4206      Discussion |
| 0131 | Susan Mazzullo        | Seats (Total: 28)        |
|      | MW 10:00am - 10:50am  | ARM 0126                 |
|      | MWF 11:00am - 11:50am | PHY 4206      Discussion |
| 0141 | Susan Mazzullo        | Seats (Total: 28)        |
|      | MW 10:00am - 10:50am  | ARM 0126                 |
|      | MWF 12:00pm - 12:50pm | PHY 4206      Discussion |

|      |  |   |            |
|------|--|---|------------|
| 0151 | Susan Mazzullo<br>MW 10:00am - 10:50am<br>MWF 1:00pm - 1:50pm    | Seats (Total: 28)<br>ARM 0126<br>PHY 4206 | Discussion |
| 0161 | Susan Mazzullo<br>MW 10:00am - 10:50am<br>MWF 2:00pm - 2:50pm    | Seats (Total: 28)<br>ARM 0126<br>PHY 4206 | Discussion |
| 0171 | Susan Mazzullo<br>MW 10:00am - 10:50am<br>TuTh 8:00am - 9:15am   | Seats (Total: 28)<br>ARM 0126<br>PHY 4206 | Discussion |
| 0181 | Susan Mazzullo<br>MW 10:00am - 10:50am<br>TuTh 9:30am - 10:45am  | Seats (Total: 28)<br>ARM 0126<br>PHY 4206 | Discussion |
| 0191 | Susan Mazzullo<br>MW 10:00am - 10:50am<br>TuTh 11:00am - 12:15pm | Seats (Total: 28)<br>ARM 0126<br>PHY 4206 | Discussion |
| 0192 | Susan Mazzullo<br>MW 10:00am - 10:50am<br>TuTh 12:30pm - 1:45pm  | Seats (Total: 28)<br>ARM 0126<br>PHY 4206 | Discussion |
| 0211 | Casey Cremins<br>MW 1:00pm - 1:50pm<br>MWF 10:00am - 10:50am     | Seats (Total: 29)<br>ARM 0135<br>PHY 4206 | Discussion |
| 0221 | Casey Cremins<br>MW 1:00pm - 1:50pm<br>MWF 11:00am - 11:50am     | Seats (Total: 29)<br>ARM 0135<br>PHY 4206 | Discussion |
| 0231 | Casey Cremins<br>MW 1:00pm - 1:50pm<br>MWF 12:00pm - 12:50pm     | Seats (Total: 29)<br>ARM 0135<br>PHY 4206 | Discussion |
| 0241 | Casey Cremins<br>MW 1:00pm - 1:50pm<br>MWF 2:00pm - 2:50pm       | Seats (Total: 29)<br>ARM 0135<br>PHY 4206 | Discussion |

|      |  |   |
|------|--|---|
| 0251 | Casey Cremins<br>MW 1:00pm - 1:50pm<br>TuTh 8:00am - 9:15am  | Seats (Total: 29)<br>ARM 0135<br>PHY 4206<br>Discussion |
| 0261 | Casey Cremins<br>MW 1:00pm - 1:50pm<br>TuTh 9:30am - 10:45am   | Seats (Total: 29)<br>ARM 0135<br>PHY 4206<br>Discussion |
| 0271 | Casey Cremins<br>MW 1:00pm - 1:50pm<br>TuTh 11:00am - 12:15pm  | Seats (Total: 29)<br>ARM 0135<br>PHY 4206<br>Discussion |
| 0281 | Casey Cremins<br>MW 1:00pm - 1:50pm<br>TuTh 12:30pm - 1:45pm   | Seats (Total: 29)<br>ARM 0135<br>PHY 4206<br>Discussion |
| 0301 | Archana Khurana<br>MW 12:00pm - 12:50pm<br>TuTh 2:00pm - 3:15pm                                      | Seats (Total: 30)<br>CHM 1228<br>PHY 4206               |
| FC01 | Stefan Poikonen<br>TuTh 3:00pm - 4:15pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 33)<br>MTH 0101                           |
| FC02 | Stefan Poikonen<br>TuTh 4:30pm - 5:45pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 33)<br>MTH 0305                           |
| FC03 | Barry Spieler<br>TuTh 6:00pm - 7:15pm<br><br><i>Restricted to students in Freshmen Connection.</i>   | Seats (Total: 33)<br>MTH 0306                           |

## STAT386

### Experiential Learning

Credits: 3-6

Grading Method: Regular,  
Pass-Fail

*Prerequisite: Must have learning proposal approved by the CMNS-Mathematics Department.*

|      |  |                   |
|------|--|-------------------|
| 2801 | Abram Kagan<br>Contact instructor or department for details. | Seats (Total: 10) |
|------|--|-------------------|

|   |            |                   |
|---|------------|-------------------|
| 5001  | Paul Smith | Seats (Total: 10) |
| Contact instructor or department for details. |            |                   |

## STAT400

### Applied Probability and Statistics I

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in MATH131; or MATH141; or students who have taken courses with comparable content may contact the department. Credit only granted for: BMGT231, ENEE324, or STAT400. Additional information: Not acceptable toward graduate degrees in MATH/STAT/AMSC.*

*Random variables, standard distributions, moments, law of large numbers and central limit theorem. Sampling methods, estimation of parameters, testing of hypotheses.*

|      |                       |                   |            |  |
|------|-----------------------|-------------------|------------|--|
| 0111 | Hatice Sahinoglu      | Seats (Total: 25) |            |  |
|      | MWF 11:00am - 11:50am | ESJ 0224          |            |  |
|      | Tu 9:30am - 10:20am   | MTH 0303          | Discussion |  |
| 0112 | Hatice Sahinoglu      | Seats (Total: 25) |            |  |
|      | MWF 11:00am - 11:50am | ESJ 0224          |            |  |
|      | Tu 9:30am - 10:20am   | MTH B0429         | Discussion |  |
| 0113 | Hatice Sahinoglu      | Seats (Total: 25) |            |  |
|      | MWF 11:00am - 11:50am | ESJ 0224          |            |  |
|      | Tu 9:30am - 10:20am   | MTH 0201          | Discussion |  |
| 0121 | Hatice Sahinoglu      | Seats (Total: 25) |            |  |
|      | MWF 11:00am - 11:50am | ESJ 0224          |            |  |
|      | Tu 12:30pm - 1:20pm   | MTH 0305          | Discussion |  |
| 0122 | Hatice Sahinoglu      | Seats (Total: 25) |            |  |
|      | MWF 11:00am - 11:50am | ESJ 0224          |            |  |
|      | Tu 12:30pm - 1:20pm   | JMZ 0122          | Discussion |  |
| 0123 | Hatice Sahinoglu      | Seats (Total: 25) |            |  |
|      | MWF 11:00am - 11:50am | ESJ 0224          |            |  |
|      | Tu 12:30pm - 1:20pm   | MTH 1313          | Discussion |  |
| 0131 | Hatice Sahinoglu      | Seats (Total: 25) |            |  |
|      | MWF 11:00am - 11:50am | ESJ 0224          |            |  |
|      | Tu 3:30pm - 4:20pm    | MTH 0305          | Discussion |  |

|      |   |   |            |
|------|---|---|------------|
| 0132 | Hatice Sahinoglu<br>MWF 11:00am - 11:50am<br>Tu 3:30pm - 4:20pm | Seats (Total: 25)<br>ESJ 0224<br>MTH 0201 | Discussion |
| 0133 | Hatice Sahinoglu<br>MWF 11:00am - 11:50am<br>Tu 3:30pm - 4:20pm | Seats (Total: 25)<br>ESJ 0224<br>MTH 0106 | Discussion |
| 0211 | John Millson<br>TuTh 12:30pm - 1:45pm<br>M 8:00am - 8:50am      | Seats (Total: 29)<br>ARM 0126<br>MTH 0105 | Discussion |
| 0212 | John Millson<br>TuTh 12:30pm - 1:45pm<br>M 8:00am - 8:50am      | Seats (Total: 29)<br>ARM 0126<br>MTH 0411 | Discussion |
| 0213 | John Millson<br>TuTh 12:30pm - 1:45pm<br>M 8:00am - 8:50am      | Seats (Total: 29)<br>ARM 0126<br>MTH 0305 | Discussion |
| 0221 | John Millson<br>TuTh 12:30pm - 1:45pm<br>M 9:00am - 9:50am      | Seats (Total: 29)<br>ARM 0126<br>MTH 0105 | Discussion |
| 0222 | John Millson<br>TuTh 12:30pm - 1:45pm<br>M 9:00am - 9:50am      | Seats (Total: 29)<br>ARM 0126<br>MTH 0411 | Discussion |
| 0223 | John Millson<br>TuTh 12:30pm - 1:45pm<br>M 9:00am - 9:50am      | Seats (Total: 29)<br>ARM 0126<br>MTH 0305 | Discussion |
| 0231 | John Millson<br>TuTh 12:30pm - 1:45pm<br>M 11:00am - 11:50am    | Seats (Total: 29)<br>ARM 0126<br>MTH 0307 | Discussion |
| 0232 | John Millson<br>TuTh 12:30pm - 1:45pm<br>M 11:00am - 11:50am    | Seats (Total: 29)<br>ARM 0126<br>MTH 0401 | Discussion |

|      |  |   |            |
|------|--|---|------------|
| 0233 | John Millson<br>TuTh 12:30pm - 1:45pm<br>M 11:00am - 11:50am | Seats (Total: 29)<br>ARM 0126<br>MTH 0305 | Discussion |
| 0311 | Casey Cremins<br>TuTh 3:30pm - 4:45pm<br>W 8:00am - 8:50am   | Seats (Total: 29)<br>ARM 0126<br>MTH 0304 | Discussion |
| 0312 | Casey Cremins<br>TuTh 3:30pm - 4:45pm<br>W 8:00am - 8:50am   | Seats (Total: 29)<br>ARM 0126<br>MTH 0103 | Discussion |
| 0313 | Casey Cremins<br>TuTh 3:30pm - 4:45pm<br>W 8:00am - 8:50am   | Seats (Total: 29)<br>ARM 0126<br>MTH 0106 | Discussion |
| 0321 | Casey Cremins<br>TuTh 3:30pm - 4:45pm<br>W 9:00am - 9:50am   | Seats (Total: 29)<br>ARM 0126<br>MTH 0407 | Discussion |
| 0322 | Casey Cremins<br>TuTh 3:30pm - 4:45pm<br>W 9:00am - 9:50am   | Seats (Total: 29)<br>ARM 0126<br>MTH 0103 | Discussion |
| 0323 | Casey Cremins<br>TuTh 3:30pm - 4:45pm<br>W 9:00am - 9:50am   | Seats (Total: 29)<br>ARM 0126<br>MTH 0106 | Discussion |
| 0331 | Casey Cremins<br>TuTh 3:30pm - 4:45pm<br>W 11:00am - 11:50am | Seats (Total: 29)<br>ARM 0126<br>MTH 0305 | Discussion |
| 0332 | Casey Cremins<br>TuTh 3:30pm - 4:45pm<br>W 11:00am - 11:50am | Seats (Total: 29)<br>ARM 0126<br>MTH 0307 | Discussion |
| 0333 | Casey Cremins<br>TuTh 3:30pm - 4:45pm<br>W 11:00am - 11:50am | Seats (Total: 29)<br>ARM 0126<br>MTH 0401 | Discussion |



Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (STAT400, STAT410). Additional information: Not acceptable toward graduate degrees in MATH/STAT/AMSC.*

*Point estimation - unbiased and consistent estimators. Interval estimation. Minimum variance and maximum likelihood estimators. Testing of hypotheses. Regression, correlation and analysis of variance. Sampling distributions. Elements of non-parametric methods.*

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Susan Mazzullo<br>MWF 2:00pm - 2:50pm      | Seats (Total: 34)<br>MTH 0306 |
| 0201 | Joan Ren<br>TuTh 12:30pm - 1:45pm          | Seats (Total: 31)<br>MTH 0303 |
| 0301 | Hatice Sahinoglu<br>TuTh 11:00am - 12:15pm | Seats (Total: 31)<br>MTH 0106 |
| 0401 | Joan Ren<br>TuTh 2:00pm - 3:15pm           | Seats (Total: 30)<br>MTH 0407 |
| 0501 | Archana Khurana<br>TuTh 2:00pm - 3:15pm    | Seats (Total: 30)<br>MTH 0409 |

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## STAT410

### Introduction to Probability Theory

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH461, MATH341); and 1 course with a minimum grade of C- from (MATH340, MATH241). Also offered as: SURV410. Credit only granted for: STAT410 or SURV410.*

*Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments. Characteristic functions. Limit theorems.*

|      |   |                               |
|------|---|-------------------------------|
| 0101 | Peter Nandori<br>MWF 1:00pm - 1:50pm      | Seats (Total: 32)<br>MTH 0307 |
| 0201 | Maria Cameron<br>TuTh 2:00pm - 3:15pm     | Seats (Total: 32)<br>MTH 0303 |
| 0301 | Christian Zickert<br>TuTh 3:30pm - 4:45pm | Seats (Total: 32)<br>MTH 0303 |

|      |   |                                |
|------|---|--------------------------------|
| 0401 | Jian Lun Xu<br>TuTh 5:00pm - 6:15pm       | Seats (Total: 32)<br>MTH B0421 |
| 0501 | Jonathan Rosenberg<br>MWF 9:00am - 9:50am | Seats (Total: 25)<br>MTH 0102  |

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**STAT420**
**Introduction to Statistics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (SURV410, STAT410). Also offered as: SURV420. Credit only granted for: STAT420 or SURV420.*

*Point estimation, sufficiency, completeness, Cramer-Rao inequality, maximum likelihood. Confidence intervals for parameters of normal distribution. Hypothesis testing, most powerful tests, likelihood ratio tests. Chi-square tests, analysis of variance, regression, correlation. Nonparametric methods.*

|      |   |                                |
|------|---|--------------------------------|
| 0101 | Takumi Saegusa<br>TuTh 9:30am - 10:45am | Seats (Total: 30)<br>MTH B0421 |
|------|---|--------------------------------|

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**STAT430**
**Introduction to Statistical Computing with SAS**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (STAT400, STAT410).*

*Descriptive and inferential statistics. SAS software: numerical and graphical data summaries; merging, sorting and splitting data sets. Least squares, regression, graphics and informal diagnostics, interpreting results. Categorical data, lifetime data, time series. Applications to engineering, life science, business and social science.*

|      |  |                                |
|------|--|--------------------------------|
| 0101 | Susan Mazzullo<br>MWF 12:00pm - 12:50pm    | Seats (Total: 35)<br>MTH 0201  |
| 0201 | Benjamin Kedem<br>MWF 2:00pm - 2:50pm      | Seats (Total: 29)<br>EGR 2116  |
| 0301 | Tingni Sun<br>TuTh 2:00pm - 3:15pm         | Seats (Total: 30)<br>MTH B0423 |
| 0401 | Timothy Pilachowski<br>MWF 3:00pm - 3:50pm | Seats (Total: 29)<br>MTH 0411  |

|      |                      |                   |
|------|----------------------|-------------------|
| 0501 | Christine Nickel     | Seats (Total: 25) |
|      | TuTh 5:00pm - 6:15pm | MTH 0104          |

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## STAT440 Sampling Theory

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (STAT401, STAT420). Credit only granted for: STAT440 or SURV440.*

*Simple random sampling. Sampling for proportions. Estimation of sample size. Sampling with varying probabilities. Sampling: stratified, systematic, cluster, double, sequential, incomplete.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Natalia Tchetcherina  | Seats (Total: 25) |
|      | MWF 10:00am - 10:50am | ITV 1111          |
| 0201 | Natalia Tchetcherina  | Seats (Total: 25) |
|      | MWF 2:00pm - 2:50pm   | MTH 0201          |

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## STAT464 Introduction to Biostatistics

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have completed one semester of calculus. Restriction: Junior standing or higher. Credit only granted for: BIOE372 or STAT464. Additional information: Not acceptable toward degrees in MATH/STAT.*

*Probabilistic models. Sampling. Some applications of probability in genetics. Experimental designs. Estimation of effects of treatments. Comparative experiments. Fisher-Irwin test. Wilcoxon tests for paired comparisons.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Raluca Rosca          | Seats (Total: 27) |
|      | MWF 11:00am - 11:50am | MTH 0405          |

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## STAT470 Actuarial Mathematics

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH461, MATH341); and 1 course with a minimum grade of C- from (MATH340, MATH241). Recommended: STAT400.*

*Major mathematical ideas involved in calculation of life insurance premiums, including compound interest and present valuation of future income streams; probability distribution and expected values derived from life tables; the interpolation of probability distributions from values estimated at one-year multiples; the 'Law of Large Numbers' describing the regular probabilistic behavior of large populations of independent individuals; and the detailed calculation of expected present values arising in insurance problems.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Natalia Tchetcherina  | Seats (Total: 31) |
|      | MWF 11:00am - 11:50am | ITV 1111          |

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### **STAT498A      Selected Topics in Statistics**

(Perm req)

Credits: 1-6

Grading Method: Regular,  
Pass-Fail, Audit

*Topics of special interest to advanced undergraduate students will be offered occasionally under the general guidance of the MATH/STAT major committee. Students register for reading in statistics under this number.*

**Contact department for information to register for this course.**

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### **STAT600      Probability Theory I**

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: STAT410.*

*Probability space; distribution functions and densities; Poisson limit theorem; de Moivre-Laplace theorem; measure-theoretic definition of expectation; classification of measures on  $R$ ; convergence of random variables; Radon-Nikodym theorem; LP spaces; conditional probabilities; independence of events, sigma-algebras and random variables; Bayes' theorem; pi-systems and Dynkin systems; discrete Markov chains; random walks; gambler's ruin problem; Markov chains on a general phase space; Borel-cantelli lemmas; Kolmogorov inequality; three series theorem; laws of large numbers.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Leonid Koralov      | Seats (Total: 25) |
|      | MWF 1:00pm - 1:50pm | MTH 0105          |

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### **STAT689      Research Interactions in Statistics**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Audit

*The students participate in a vertically integrated (undergraduate, graduate and/or postdoctoral, faculty) research group. Format varies, but includes regular meetings, readings and presentations of material. See graduate program's online syllabus or contact the graduate program director for more information.*

**Contact department for information to register for this course.**

## STAT700

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: STAT410; or students who have taken courses with comparable content may contact the department.*

*Sampling distributions including noncentral chi-squared,  $t$ ,  $F$ . Exponential families, completeness. Sufficiency, factorization, likelihood ratio. Decision theory, Bayesian methods, minimax principle. Point estimation, Lehmann-Scheffe and Cramer-Rao theorems. Set estimation.*

Offered fall only.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Benjamin Kedem        | Seats (Total: 25) |
|      | MWF 10:00am - 10:50am | PLS 1111          |

**STAT705**

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: STAT700 or STAT420. Recommended: Have some programming experience (any language). Credit only granted for: STAT705 or STAT798C. Formerly: STAT798C.*

*Modern methods of computational statistics and their application to bot practical problems and research. S-Plus and SAS programming with emphasis on S-Plus. S-Plus objects and functions, and SAS procedures. Topics include data management and graphics, Monte Carlo and simulation, bootstrapping, numerical optimization in statistics, linear and generalized linear models, nonparametric regression, time series analysis.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Eric Slud          | Seats (Total: 27) |
|      | MW 5:00pm - 6:15pm | MTH 1308          |

## STAT740

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: STAT700 or STAT420.*

*Least squares, general linear models, estimability and Gauss-Markov theorem. Simple and multiple linear regression, analysis of residuals and diagnostics, polynomial models, variable selection. Qualitative predictors, one and two way analysis of variance, multiple comparisons, analysis of covariance. Nonlinear least squares. High-level statistical computer software will be used for data analysis throughout the course.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Paul Smith          | Seats (Total: 25) |
|      | MWF 2:00pm - 2:50pm | MTH 0409          |

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**STAT799      Master's Thesis Research**

Credits: 1-6      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**STAT808A      Selected Topics in Probability**

Credits: 1-3      Grading Method: Regular, Audit

*Advanced topics of current interest.*

**Contact department for information to register for this course.**

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**STAT818A      Selected Topics in Statistics**

Credits: 1-3      Grading Method: Regular, Audit

*Advanced topics of current interest.*

**Contact department for information to register for this course.**

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**STAT818B      Selected Topics in Statistics; Selected Topics in SPDE**

Credits: 1-3      Grading Method: Regular, Audit

*Advanced topics of current interest.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Sandra Cerrai        | Seats (Total: 20) |
|      | TuTh 2:00pm - 3:15pm | MTH 2300          |

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**STAT818D      Selected Topics in Statistics; Markov Processes and PDE's**

Credits: 1-3      Grading Method: Regular, Audit

*Advanced topics of current interest.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Mark Freidlin         | Seats (Total: 17) |
|      | TuTh 12:30pm - 1:45pm | MTH 2300          |

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**STAT818G Selected Topics in Statistics; High Dimensional Data**

Credits: 1-3      Grading Method: Regular,  
Audit

*Advanced topics of current interest.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Tingni Sun            | Seats (Total: 20) |
|      | TuTh 9:30am - 10:45am | JMP 2202          |

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**STAT898 Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**STAT899 Doctoral Dissertation Research**

(Perm req)      Credits: 6      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**SURV      Survey Methodology      Fall 2017**

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**SURV400 Fundamentals of Survey and Data Science**

(Perm req)      Credits: 3      Grading Method: Regular

*Prerequisite: STAT100; or permission of BSOS-Joint Program in Survey Methodology department.*

*Restriction: Course open to SURV certificate students, SURV Advanced Special Students, and SURV undergraduate minors. Graduate students from other departments may enroll with permission from the department. Credit only granted for: SURV699M or SURV400. Formerly: SURV699M.*

*The course introduces the student to a set of principles of survey and data science that are the basis of standard practices in these fields. The course exposes the student to key terminology and concepts of collecting and analyzing data from surveys and other data sources to gain insights and to test hypotheses about the nature of human and social behavior and interaction. It will also present a framework that will allow the student to evaluate the influence of different error sources on the quality of data.*

|      |  |                   |
|------|--|-------------------|
| SVW1 | Jennifer Sinibaldi   | Seats (Total: 15) |
|      | <b>Meets August 30, 2017 - November 29, 2017</b>   |                   |
|      | W 2:00pm - 2:50pm  | ONLINE            |
|      | Contact instructor or department for details.  |                   |
|      | <i>This online section is a condensed version of the on-site section. The material covered and workload are comparable. Students must have access to a standalone web camera and a headset to participate in the weekly online meetings. To apply for permission to enroll email <a href="mailto:jpsm-contact@umd.edu">jpsm-contact@umd.edu</a>.</i> |                   |

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## **SURV410 Introduction to Probability Theory**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH240 and MATH241; or permission of BSOS-Joint Program in Survey Methodology department. Also offered as: STAT410. Credit only granted for: SURV410 or STAT410.*

*Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments, characteristic functions, and limit theorems.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Peter Nandori        | Seats (Total: 32) |
|      | MWF 1:00pm - 1:50pm  | MTH 0307          |
| 0201 | Maria Cameron        | Seats (Total: 32) |
|      | TuTh 2:00pm - 3:15pm | MTH 0303          |
| 0301 | Christian Zickert    | Seats (Total: 32) |
|      | TuTh 3:30pm - 4:45pm | MTH 0303          |
| 0401 | Jian Lun Xu          | Seats (Total: 32) |
|      | TuTh 5:00pm - 6:15pm | MTH B0421         |
| 0501 | Jonathan Rosenberg   | Seats (Total: 25) |
|      | MWF 9:00am - 9:50am  | MTH 0102          |

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## **SURV615 Statistical Methods I**

(Perm req)                      Grading Method: Regular,  
Credits: 3                      Audit

*Prerequisite: Must have completed a two course sequence in probability and statistics; or students who have taken courses with comparable content may contact the department. Restriction: Must be in Survey Methodology (Master's) program; or permission of instructor.*



*First course in a two term sequence in applied statistical methods covering topics such as regression, analysis of variance, categorical data, and survival analysis.*

It runs concurrently with the University of Michigan course.

|      |  |                   |
|------|--|-------------------|
| 0101 | Taylor Lewis                                       | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - December 12, 2017</b> |                   |
|      | Tu 5:00pm - 7:30pm                                 | LEF 1208          |
| SV01 | Taylor Lewis                                       | Seats (Total: 5)  |
|      | <b>Meets September 4, 2017 - December 12, 2017</b> |                   |
|      | Tu 5:00pm - 7:30pm                                 | Location: TBA     |
|      | <i>Meets at the Census Bureau-T10.</i>             |                   |

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## **SURV621 Fundamentals of Data Collection I**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: Permission of Instructor required.*

*This course is the first semester of a two-semester sequence that provides a broad overview of the processes that generate data for use in social science research. Students will gain an understanding of different types of data and how they are created, as well as their relative strengths and weaknesses. A key distinction is drawn between data that are designed, primarily survey data, and those that are found, such as administrative records, remnants of online transactions, and social media content. The course combines lectures, supplemented with assigned readings, and practical exercises. In the first semester, the focus will be on the error that is inherent in data, specifically errors of representation and errors of measurement, whether the data are designed or found. The psychological origins of survey responses are examined as a way to understand the measurement error that is inherent in answers. The effects of the mode of data collection (e.g., mobile web versus telephone interview) on survey responses also are examined.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Katharine Abraham, Frederick Conrad                 | Seats (Total: 25) |
|      | <b>Meets September 11, 2017 - December 11, 2017</b> |                   |
|      | M 3:30pm - 6:30pm                                   | LEF 1208          |

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## **SURV623 Data Collection Methods in Survey Research**

(Perm req)                      Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: SURV400; or students who have taken courses with comparable content may contact the department.*

*Review of alternative data collection methods used in surveys, such as current advances in computer-assisted telephone interviewing (CATI), computer-assisted personal interviewing (CAPI), and other methods such as touchtone data entry (TDE) and voice recognition (VRE).*

|      |  |                   |
|------|--|-------------------|
| SVW1 | Christopher Antoun   | Seats (Total: 15) |
|      | <b>Meets August 28, 2017 - November 29, 2017</b>   |                   |
|      | Tu 6:00pm - 6:50pm   | ONLINE            |
|      | Contact instructor or department for details.  |                   |
|      | <i>This online section is a condensed version of the on-site section. The material covered and workload are comparable. Students must have access to a standalone web camera and a headset to participate in the weekly online meetings. To apply for permission to enroll email <a href="mailto:jpsm-contact@umd.edu">jpsm-contact@umd.edu</a>.</i> |                   |

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**SURV626****Sampling**

(Perm req)

Credits: 2                      Grading Method: Regular,  
Audit

*Prerequisite: Permission of BSOS-Joint Program in Survey Methodology department; and must have completed an introductory graduate level statistics course covering material through OLS and logistic regression.*

*Practical aspects of sample design. The course will cover the main techniques used in sampling practice: simple random sampling, stratification, systematic selection, cluster sampling, multistage sampling, and probability proportional to size sampling. The course will also cover sampling frames, cost models, and sampling error (variance) estimation techniques.*

|      |   |                   |
|------|---|-------------------|
| SVW1 | Raphael Nishimura   | Seats (Total: 15) |
|      | <b>Meets October 2, 2017 - November 30, 2017</b>  |                   |
|      | W 7:00pm - 8:00pm   | ONLINE            |
|      | Contact instructor or department for details.   |                   |
|      | <i>This online section is a condensed version of the on-site section. The material covered and workload are comparable. Students must have access to a standalone web camera and a headset to participate in the weekly online meetings. To request a seat, please go to: <a href="https://jointprogram.umd.edu/online/our-courses">https://jointprogram.umd.edu/online/our-courses</a></i> |                   |

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**SURV632****Social and Cognitive Foundations of Survey Measurement**

Credits: 3                      Grading Method: Regular,  
Audit

*Major sources of survey error-such as reporting errors and nonresponse bias-from the perspective of social and cognitive psychology and related disciplines. Topics: psychology of memory and its bearing on classical survey issues (e.g., underreporting and telescoping); models of language use and their implications for the interpretation and misinterpretation of survey questions; and studies of attitudes, attitude change, and their possible application to increasing response rates and improving the measurement of opinions. Theories and findings from the social and behavioral sciences will be explored.*

Restricted to SURV majors only.

|      |  |                   |
|------|--|-------------------|
| 0101 | Frederick Conrad                                   | Seats (Total: 15) |
|      | <b>Meets September 4, 2017 - December 12, 2017</b> |                   |
|      | W 9:00am - 11:45am                                 | LEF 2208          |

## **SURV641**

### **Survey Practicum II**

Credits: 2                      Grading Method: Regular

*Prerequisite: SURV620. Restriction: Must be in one of the following programs (Survey Methodology (Doctoral); Survey Methodology (Master's)). Credit only granted for: SURV621 or SURV641. Formerly: SURV621. Additional information: SURV640 and SURV641 must be taken in consecutive semesters.*

*Second part of applied workshop in sample survey design. Course focus on post data collection process of data processing, editing and analysis.*

|      |  |                   |
|------|--|-------------------|
| 0101 | Gina Walejko                           | Seats (Total: 20) |
|      | W 4:00pm - 6:00pm                      | LEF 2208          |
| SV01 | Gina Walejko                           | Seats (Total: 5)  |
|      | W 4:00pm - 6:00pm                      | Location: TBA     |
|      | <i>Meets at the Census Bureau-T10.</i> |                   |

## **SURV650**

### **Economic Measurement**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: Must have completed a course in intermediate microeconomics. Credit only granted for: SURV650 or SURV699L. Formerly: SURV699L.*

*An introduction to the field of economic measurement. Sound economic data are of critical importance to policymakers, the business community, and others. Emphasis is placed on the economic concepts that underlie key economic statistics and the translation of those concepts into operational measures. Topics addressed include business survey sampling; the creation of business survey sampling frames; the collection of data from businesses; employment and earnings statistics; price statistics; output and productivity measures; the national accounts; and the statistical uses of administrative data. Lectures and course readings assume prior exposure to the tools of economic analysis.*

|  |                     |                   |
|--|---------------------|-------------------|
| SV01   | Katharine Abraham   | Seats (Total: 24) |
|  | Tu 9:00am - 11:40am | Location: TBA     |
| <i>Meets at the Bureau of Labor Statistics in the BLS Conference and Training Center G440. Please check the signs at the entrance for each class location as classrooms will vary.</i> |                     |                   |

## **SURV662      An Introduction to Small Area Estimation Methods**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: STAT400; and permission of instructor; and STAT401. Restriction: Permission of instructor.*

*There is a growing demand to produce reliable estimates of various socio-economic and health characteristics at both national and sub-national levels. However, data availability at the sub-national (small area) level from a survey is often limited by cost and thus analysts must make the best possible use of all available information. The course will begin with a history of small-area estimation and different uses of small-area statistics in both public and private sectors. This course will provide an introduction to the main concepts and issues in small estimation and describes various approaches for estimating different small area parameters. Topics include standard design-based methods, various traditional indirect methods and the state-of-the-art small-area estimation methods that use both Bayesian and empirical best prediction methods. Monte Carlo simulation results and data analysis using available statistical software will be presented.*

|  |                   |                  |
|--|-------------------|------------------|
| SVW1   | Carolina Franco   | Seats (Total: 8) |
| <b>Meets August 28, 2017 - November 29, 2017</b>   |                   |                  |
|  | M 9:00am - 9:50am | ONLINE           |
| Contact instructor or department for details.  |                   |                  |
| <i>This online section is a condensed version of the on-site section. The material covered and workload are comparable. Students must have access to a standalone web camera and a headset to participate in the weekly online meetings. To apply for permission to enroll email <a href="mailto:jpsm-contact@umd.edu">jpsm-contact@umd.edu</a>.</i> |                   |                  |

|      |  |                  |
|------|--|------------------|
| SVW2 | Carolina Franco  | Seats (Total: 8) |
|      | <b>Meets August 28, 2017 - November 29, 2017</b>   |                  |
|      | W 9:00am - 9:50am  | ONLINE           |
|      | Contact instructor or department for details.  |                  |
|      | <i>This online section is a condensed version of the on-site section. The material covered and workload are comparable. Students must have access to a standalone web camera and a headset to participate in the weekly online meetings. To apply for permission to enroll email <a href="mailto:jpsm-contact@umd.edu">jpsm-contact@umd.edu</a>.</i> |                  |

## **SURV699**

### **Special Topics in Survey Methodology; Reading in Survey Methodology**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

*Credit according to time scheduled and organization of the course. Organized as a lecture series on specialized advanced topics in survey methodology.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Frederick Conrad                              | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |
| 0301 | Stanley Presser                               | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

## **SURV699Z**

### **Special Topics in Survey Methodology; Applied Data Analytics**

(Perm req)

Credits: 6      Grading Method: Regular,  
Audit

*Credit according to time scheduled and organization of the course. Organized as a lecture series on specialized advanced topics in survey methodology.*

Class will meet on the following dates; 10/11/17 - 10/13/17, 11/01/17-11/03/17, 11/15/17 - 11/17/17, 12/06/17-12/08/17. Innovative forms of data never seen before, combined with traditional survey and administrative data, provide a rich resource for data-driven decisions in public policy and the public sector. The program's design offers hands-on training in the context of real challenges facing the sector, by providing direct collaboration among government agencies and students in the program. Skills learned as part of the project work are SQL, Python, Record Linkage, Database Management, use of APIs, Web Scraping, Basic Machine Learning, Text Analysis, Analysis of Network and Geospatial data, Inference, Privacy and Ethics.

|      |  |                   |
|------|--|-------------------|
| 0101 | Frauke Kreuter                                   | Seats (Total: 10) |
|      | <b>Meets October 11, 2017 - December 8, 2017</b> |                   |
|      | WThF 9:00am - 6:00pm                             | LEF 1218          |
|      | Contact instructor or department for details.    |                   |

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## **SURV701      Analysis of Complex Sample Data**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: SURV625.*

*Analysis of data from complex sample designs covers: the development and handling of selection and other compensatory weights; methods for handling missing data; the effect of stratification and clustering on estimation and inference; alternative variance estimation procedures; methods for incorporating weights, stratification and clustering, and imputed values in estimation and inference procedures for complex sample survey data; and generalized design effects and variance functions. Computer software that takes account of complex sample design in estimation.*

It runs concurrently with the University of Michigan course.

|      |  |                   |
|------|--|-------------------|
| 0101 | Yan Li   | Seats (Total: 15) |
|      | <b>Meets September 4, 2017 - December 12, 2017</b> |                   |
|      | Th 12:30pm - 3:30pm                                | LEF 2208          |

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## **SURV720      Total Survey Quality I**

Credits: 2      Grading Method: Regular,  
Audit

*Prerequisite: SURV625. Restriction: Permission of instructor. Credit only granted for: (SURV720 and SURV721) or SURV723. Formerly: SURV723.*

*Total error structure of sample survey data, reviewing current research findings on the magnitudes of different error sources, design features that affect their magnitudes, and interrelationships among the errors. Coverage, nonresponse, sampling, measurement, and postsurvey processing errors. For each error source reviewed, social science theories about its causes and statistical models estimating the error source are described. Empirical studies from the survey methodological literature are reviewed to illustrate the relative magnitudes of error in different designs. Emphasis on aspects of the survey design necessary to estimate different error sources. Relationships to show how attempts to control one error source may increase another source. Attempts to model total survey error will be presented.*

It runs concurrently with the University of Michigan course.

|      |   |                   |
|------|---|-------------------|
| 0101 | Christopher Antoun                                  | Seats (Total: 20) |
|      | <b>Meets September 11, 2017 - December 12, 2017</b> |                   |
|      | M 10:20am - 12:00pm                                 | LEF 1208          |

## SURV722

### Research Design: Causal inference from randomized and observational data

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in Survey Methodology (Doctoral) program; or must be in Survey Methodology (Master's) program; or must be in a major within the BSOS-Joint Program in Survey Methodology department; or permission of BSOS-Joint Program in Survey Methodology department.*

*Research designs from which causal inferences are sought. Classical experimental design will be contrasted with quasi-experiments, evaluation studies, and other observational study designs. Emphasis placed on how design features impact the nature of statistical estimation and inference from the designs. Issues of blocking, balancing, repeated measures, control strategies, etc.*

[Click Here More Information](#)

|      |   |                   |
|------|---|-------------------|
| 0101 | Sunghee Lee   | Seats (Total: 20) |
|      | <b>Meets September 11, 2017 - December 11, 2017</b> |                   |
|      | M 3:00pm - 5:45pm                                   | LEF 2208          |

## SURV725

### Item Nonresponse and Imputation

Credits: 1      Grading Method: Regular,  
Audit

*Prerequisite: Be comfortable with generalized linear models and basic probability theory through coursework or work experience; and familiarity with the statistical software R. Restriction: Permission of BSOS-Joint Program in Survey Methodology department.*

*Missing data are a common problem which can lead to biased results if the missingness is not taken into account at the analysis stage. Imputation is often suggested as a strategy to deal with item nonresponse allowing the analyst to use standard complete data methods after the imputation. However, several misconceptions about the aims and goals of imputation make some users skeptical about the approach. In this course we will illustrate why thinking about the missing data is important and clarify which goals a useful imputation method should try to achieve.*

|      |  |                                       |
|------|--|---------------------------------------|
| SVW1 | <p>Jorg Drechsler</p> <p><b>Meets September 20, 2017 - October 12, 2017</b></p> <p>W 12:00pm - 12:50pm</p> <p>Contact instructor or department for details.</p> <p><i>This online section is a condensed version of the on-site section. The material covered and workload are comparable. Students must have access to a standalone web camera and a headset to participate in the weekly online meetings. To apply for permission to enroll email <a href="mailto:jpsm-contact@umd.edu">jpsm-contact@umd.edu</a>.</i></p>  | <p>Seats (Total: 8)</p> <p>ONLINE</p> |
| SVW2 | <p>Jorg Drechsler</p> <p><b>Meets September 20, 2017 - October 12, 2017</b></p> <p>Th 11:00am - 11:50am</p> <p>Contact instructor or department for details.</p> <p><i>This online section is a condensed version of the on-site section. The material covered and workload are comparable. Students must have access to a standalone web camera and a headset to participate in the weekly online meetings. To apply for permission to enroll email <a href="mailto:jpsm-contact@umd.edu">jpsm-contact@umd.edu</a>.</i></p> | <p>Seats (Total: 8)</p> <p>ONLINE</p> |

## SURV730

### Measurement Error Models

(Perm req)

Credits: 1

Grading Method: Regular,  
Audit

*Prerequisite: SURV623 or SURV630; or have equivalent survey research experience. And must have completed a basic statistics course in regression modeling. Restriction: Permission of BSOS-Joint Program in Survey Methodology department.*

*Measurement error in survey data can significantly distort analyses of substantive interest. Means, totals, and proportions will be off if the average answer people give is inaccurate. However, measurement error distorts not only estimates of means but can also severely bias apparent relationships, conditional probabilities, means differences, and other regression-type analyses. To remove such biases it is therefore essential to estimate the extent of measurement error in survey variables. This can be done using a gold standard or, in the absence of such a standard, modeling the error. This course introduces the latter and trains students to perform regression analyses without the influence of measurement error.*



|      |  |                  |
|------|--|------------------|
| SVW1 | Daniel Oberski   | Seats (Total: 8) |
|      | <b>Meets November 1, 2017 - December 1, 2017</b>   |                  |
|      | W 12:00pm - 12:50pm  | ONLINE           |
|      | Contact instructor or department for details.  |                  |
|      | <i>This online section is a condensed version of the on-site section. The material covered and workload are comparable. Students must have access to a standalone web camera and a headset to participate in the weekly online meetings. To apply for permission to enroll email <a href="mailto:jpsm-contact@umd.edu">jpsm-contact@umd.edu</a>.</i> |                  |

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## **SURV745      Practical Tools for Sampling and Weighting**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: SURV615, SURV616, and SURV625; or permission of instructor. Credit only granted for: SURV745 or SURV699E. Formerly: SURV699E.*

*A statistical methods class appropriate for second year Master's students and PhD students. The course will be a combination of hands-on applications and general review of the theory behind different approaches to sampling and weighting. Topics covered include sample size calculations using estimation targets based on relative standard error, margin of error, and power requirements. Use of mathematical programming to determine sample sizes needed to achieve estimation goals for a series of subgroups and analysis variables. Resources for designing area probability samples. Methods of sample allocation for multistage samples. Steps in weighting, including computation of base weights, non response adjustments, and uses of auxiliary data. Non response adjustment alternatives, including weighting cell adjustments, formation of cells using regression trees, and propensity score adjustments. Weighting via post stratification, raking, general regression estimation, and other types of calibration.*

|      |  |                   |
|------|--|-------------------|
| 0101 | Yan Li   | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - December 11, 2017</b> |                   |
|      | W 1:40pm - 3:00pm                                  | LEF 2208          |
|      | Contact instructor or department for details.      |                   |

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## **SURV746      Applications of Statistical Modeling**

(Perm req)                      Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: SURV615 and SURV616; or permission of instructor. Credit only granted for: SURV746 or SURV699R. Formerly: SURV699R.*

*Designed for students on both the social science and statistical tracks for the two programs in survey methodology, will provide students with exposure to applications of more advanced statistical modeling tools for both substantive and methodological investigations that are not fully covered in other MPSM or JPSM courses. Modeling techniques to be covered include multilevel modeling (with an application to methodological studies of interviewer effects), structural equation modeling (with an application of latent class models to methodological studies of measurement error), classification trees (with an application to prediction of response propensity), and alternative models for longitudinal data (with an application to panel survey data from the Health and Retirement Study). Discussions and examples of each modeling technique will be supplemented with methods for appropriately handling complex sample designs when fitting the models. The class will focus on practical applications and software rather than extensive theoretical discussions.*

|      |  |                   |
|------|--|-------------------|
| 0101 | Brady West   | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - December 11, 2017</b> |                   |
|      | F 10:00am - 12:45pm                                | LEF 2208          |

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## **SURV829      Doctoral Research Seminar in Survey Methodology**

Credits: 3-6      Grading Method: Regular

*An advanced research seminar for students preparing to do research or take doctoral comprehensive examinations.*

|      |  |                   |
|------|--|-------------------|
| 0101 | James Wagner, Stanley Presser                      | Seats (Total: 10) |
|      | <b>Meets September 4, 2017 - December 12, 2017</b> |                   |
|      | W 1:30pm - 4:00pm                                  | LEF 1208          |

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## **SURV898      Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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## **SURV899      Doctoral Dissertation Research**

(Perm req)

Credits: 6      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

**TDPS201****Introduction to Technical Production**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in a major within ARHU-Dance department; or must be in a major within ARHU-Theatre department. Credit only granted for: DANC210 and THET114 or TDPS201. Formerly: DANC210 and THET114.*

*Students are provided with an overview of topics related to the technical production of theatre and dance including: scenic, prop and costume construction, lighting, sound and video execution and management structures.*

Students must pay a \$25.00 lab fee.

|      |                    |                   |     |
|------|--------------------|-------------------|-----|
| 5501 | Michael Driggers   | Seats (Total: 25) |     |
|      | MW 4:00pm - 4:50pm | PAC 1809          |     |
|      | F 3:30pm - 5:30pm  | PAC 1702          | Lab |

**TDPS362****Alexander Technique**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: THET222, THET116, THET223, and TDPS201; or (DANC218 and DANC219). And permission of ARHU-School of Theatre, Dance & Performance Studies department. Credit only granted for: THET399J, THET362 or TDPS362. Formerly: THET399J and THET362.*

*Based on the F.M. Alexander Technique, students will learn to recognize habit patterns that interfere with how they function and express themselves so that they can make conscious choices as a performing artist.*

Students must pay a \$25 lab fee.

|      |                       |                   |  |
|------|-----------------------|-------------------|--|
| 5501 | Leslie Felbain        | Seats (Total: 20) |  |
|      | TuTh 9:30am - 11:20am | PAC 3736          |  |

**TDPS4580****Special Topics in Advanced Performing Arts; Voice, Text, Dance Making**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Designed for performing arts students. Offers instruction at an advanced level in various aspects of performance such as Voice for the Performing Arts, Movement for the Performing Arts, Acting for the Performing Arts, Partner Dance and a myriad of specific aspects within these genres.*

Students must pay a \$25 lab fee. Open to all UMD students.

|      |                      |                   |
|------|----------------------|-------------------|
| 5501 | Alvin Mayes          | Seats (Total: 15) |
|      | TuTh 3:30pm - 4:45pm | PAC 1611          |

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**TDPS469      Advanced Practicum in Stage Management**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*A graded course in stage management for theatre and/or dance productions. A hands-on laboratory experience.*

|      |   |                  |
|------|---|------------------|
| 0101 | Cary Gillett                                  | Seats (Total: 8) |
|      | Contact instructor or department for details. |                  |

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**TDPS479      Production Practicum**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*A graded course in a specified practical aspect of mounting a theatre or dance production. It is a hands-on, purely laboratory experience.*

|      |   |                   |
|------|---|-------------------|
| 1001 | Robert Hunter                                 | Seats (Total: 25) |
|      | Contact instructor or department for details. |                   |
| 1002 | Robert Hunter                                 | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |
| 1003 | Robert Hunter                                 | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |
| 1004 | Robert Hunter                                 | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |
| 1005 | Robert Hunter                                 | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |
| 1006 | Robert Hunter                                 | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |
| 1007 | Robert Hunter                                 | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |
| 2001 | Robert Hunter                                 | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |

|      |   |                   |
|------|---|-------------------|
| 2002 | Robert Hunter                                 | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |
| 2003 | Robert Hunter                                 | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |
| 2004 | Robert Hunter                                 | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |
| 2005 | Robert Hunter                                 | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |
| 2006 | Robert Hunter                                 | Seats (Total: 15) |
|      | Contact instructor or department for details. |                   |

## THET

## Theatre

Fall 2017

### THET110

### Introduction to the Theatre

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HA      General Education: DSHU

*In the age of pop music and blockbuster films, of memes and viral videos, we often forget that theatre was one of the original forms of popular entertainment. We will focus on theatre practitioners including actors, directors, designers and backstage personnel to understand how theatre is produced. We will also consider popular entertainment in Europe and America, with a particular focus on musical theatre and Broadway to explore how theatre communicates, resonates, and remains relevant to all audiences.*

|      |                      |                          |
|------|----------------------|--------------------------|
| 0101 | Caitlin Marshall     | Seats (Total: 24)        |
|      | MW 10:00am - 10:50am | ATL 2324                 |
|      | W 2:00pm - 2:50pm    | PLS 1115      Discussion |
| 0102 | Caitlin Marshall     | Seats (Total: 24)        |
|      | MW 10:00am - 10:50am | ATL 2324                 |
|      | W 3:00pm - 3:50pm    | ATL 2428      Discussion |
| 0103 | Caitlin Marshall     | Seats (Total: 24)        |
|      | MW 10:00am - 10:50am | ATL 2324                 |
|      | W 11:00am - 11:50am  | ATL 2416      Discussion |
| 0104 | Caitlin Marshall     | Seats (Total: 24)        |
|      | MW 10:00am - 10:50am | ATL 2324                 |
|      | W 12:00pm - 12:50pm  | ATL 2316      Discussion |

|      |  |   |            |
|------|--|---|------------|
| 0105 | Caitlin Marshall<br>MW 10:00am - 10:50am<br>W 1:00pm - 1:50pm                                    | Seats (Total: 24)<br>ATL 2324<br>ATL 1114 | Discussion |
| 0201 | Caitlin Marshall<br>MW 11:00am - 11:50am<br>W 2:00pm - 2:50pm                                    | Seats (Total: 24)<br>ATL 2324<br>ATL 1114 | Discussion |
| 0202 | Caitlin Marshall<br>MW 11:00am - 11:50am<br>W 3:00pm - 3:50pm                                    | Seats (Total: 24)<br>ATL 2324<br>ATL 1114 | Discussion |
| 0203 | Caitlin Marshall<br>MW 11:00am - 11:50am<br>W 1:00pm - 1:50pm                                    | Seats (Total: 24)<br>ATL 2324<br>ATL 0201 | Discussion |
| 0204 | Caitlin Marshall<br>MW 11:00am - 11:50am<br>W 12:00pm - 12:50pm                                  | Seats (Total: 24)<br>ATL 2324<br>JMP 1109 | Discussion |
| 0205 | Caitlin Marshall<br>MW 11:00am - 11:50am<br>W 1:00pm - 1:50pm                                    | Seats (Total: 24)<br>ATL 2324<br>KNI 1103 | Discussion |
| FC01 | Khalid Long<br>TuTh 6:00pm - 7:15pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 24)<br>JMZ 0125             |            |

**THET116**  
(Perm req)

**Fundamentals of Theatrical Design**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department.*

*Examines theatre as an environmental art that is realized through collaboration between set, costume, and lighting designers.*

Students must pay a \$25.00 lab fee.

|      |   |                               |
|------|---|-------------------------------|
| 5501 | Mark Costello, Emily Lotz<br>TuTh 3:00pm - 4:50pm | Seats (Total: 20)<br>PAC 2733 |
|------|---|-------------------------------|

**THET222****Foundations of Acting and Performance**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department.*

*Students will become familiar with the tools and process of acting through the discipline of acting exercises, analyzing character and performing. Students will research various theatre artists that have contributed to the acting process. Through monologue and scene work students will learn listening skills, communicative, collaborative and embodiment skills and will learn how to use the self in the imaginative process and research. And, most importantly, students will learn creative process through practice.*

Students must pay a \$25.00 lab fee.

|      |                          |                   |     |
|------|--------------------------|-------------------|-----|
| 5501 | Jennifer Barclay Newsham | Seats (Total: 14) |     |
|      | TuTh 2:00pm - 3:50pm     | PAC 3730          | Lab |
| 5502 | Scot Reese               | Seats (Total: 14) |     |
|      | TuTh 10:00am - 11:50am   | PAC 3730          | Lab |

**THET223****Text and Context in Western Theatre**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department.*

*Introduction to the analysis and critique of the play script. Students will have the opportunity to read, analyze, and interpret western dramatic literature from a range of periods and styles. Texts are analyzed from a variety of theatrical analytical perspectives, with an eye towards choices theatre artists must make in the creation of a theatrical production.*

|      |                       |                   |  |
|------|-----------------------|-------------------|--|
| 0101 | Kelley Holley         | Seats (Total: 25) |  |
|      | TuTh 12:30pm - 1:45pm | PAC 1809          |  |
| 0102 | Jonelle Walker        | Seats (Total: 25) |  |
|      | MW 11:00am - 12:15pm  | PAC 1809          |  |

**THET269B****Special Topics in Study Abroad II; The Meaning of Style**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**THET269T      Special Topics in Study Abroad II; 20th Century and Contemporary Spanish Theatre**

Credits: 1-6                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**THET274      Introduction to Stage Management**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: THET114 or TDPS201; and permission of ARHU-School of Theatre, Dance & Performance Studies department.*

*Familiarization with the techniques and skills required of a Stage Manager in a theatrical production, including organization, production meetings, rehearsals, tech and running a show. The outcome at the conclusion of the course is the ability to function as an Assistant Stage Manager in a supervised situation.*

Students must pay a \$25.00 lab fee.

|      |                    |                   |
|------|--------------------|-------------------|
| 5501 | Cary Gillett       | Seats (Total: 15) |
|      | MW 3:00pm - 4:30pm | PAC 1924          |

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**THET284      Stage Costume Construction I**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department.*

*Study and practical experience in garment construction and related costume crafts as used in theatre costume design. Flat pattern development, corset construction, theatrical sewing techniques and organization of the costume construction process.*

Students must pay a \$25.00 lab fee.

|      |                     |                   |
|------|---------------------|-------------------|
| 5501 | Susan Chiang        | Seats (Total: 12) |
|      | MW 9:00am - 11:50am | PAC 3749      Lab |

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**THET285      The Art of Communication and Presentation**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

General Education: FSOC



Credit only granted for: COMM107, COMM200, INAG110, JOUR130, or THET285.

An introduction to the fundamental practice and theory of public speaking and oral communication using theatrical techniques of both performance and the craft of storytelling.

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Patrick Crowley<br>MW 10:00am - 11:50am  | Seats (Total: 25)<br>PAC 3736 |
| 0102 | Fraser Stevens<br>TuTh 11:00am - 12:50pm   | Seats (Total: 25)<br>PAC 2740 |
| 0103 | Leslie Felbain<br>TuTh 3:30pm - 5:00pm   | Seats (Total: 25)<br>PAC 3736 |
| FC01 | Jennifer Ring<br>MW 7:30pm - 8:45pm<br><i>Restricted to students in Freshmen Connection.</i>   | Seats (Total: 23)<br>ASY 3221 |
| FC02 | Mary Coy<br>MW 4:30pm - 5:45pm<br><i>Restricted to students in Freshmen Connection.</i>        | Seats (Total: 23)<br>BPS 1236 |
| FC03 | Robert Jansen<br>TuTh 7:30pm - 8:45pm<br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 23)<br>JMZ 2123 |
| FC04 | Drew Barker<br>TuTh 6:00pm - 7:15pm<br><i>Restricted to students in Freshmen Connection.</i>   | Seats (Total: 23)<br>JMZ 1215 |
| FC05 | Jennifer Ring<br>TuTh 7:30pm - 8:45pm<br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 23)<br>KEY 0123 |
| FC06 | Robert Jansen<br>MW 6:00pm - 7:15pm<br><i>Restricted to students in Freshmen Connection.</i>   | Seats (Total: 23)<br>JMZ 0122 |

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: THET222, THET223, and THET116. And THET114; or TDPS201. And permission of ARHU-School of Theatre, Dance & Performance Studies department.*

*Introductory internship in theatre. Constructed to help students in their sophomore year gain practical experience in a supportive work environment in the theatre. Student must research and propose internship to a Faculty Advisor and Internship Venue.*

|      |   |                  |
|------|---|------------------|
| 0101 | Instructor: TBA<br>Contact instructor or department for details.  | Seats (Total: 5) |
| 0210 | Franklin Hildy<br>Contact instructor or department for details.   | Seats (Total: 5) |
| 0301 | Leigh Smiley<br>Contact instructor or department for details.<br>Contact instructor or department for details.    | Seats (Total: 5) |
| 0401 | Scot Reese<br>Contact instructor or department for details.<br>Contact instructor or department for details.      | Seats (Total: 5) |
| 0501 | Esther Lee<br>Contact instructor or department for details.   | Seats (Total: 5) |
| 0601 | Instructor: TBA<br>Contact instructor or department for details.<br>Contact instructor or department for details. | Seats (Total: 5) |
| 0901 | Mitchell Hebert<br>Contact instructor or department for details.<br>Contact instructor or department for details. | Seats (Total: 5) |
| 1301 | Brian MacDevitt<br>Contact instructor or department for details.  | Seats (Total: 5) |
| 1501 | Instructor: TBA<br>Contact instructor or department for details.  | Seats (Total: 5) |
| 1601 | Daniel Conway<br>Contact instructor or department for details.<br>Contact instructor or department for details.   | Seats (Total: 5) |

|      |  |                  |
|------|--|------------------|
| 1701 | Helen Huang<br>Contact instructor or department for details.<br>Contact instructor or department for details.      | Seats (Total: 5) |
| 1801 | Instructor: TBA<br>Contact instructor or department for details.   | Seats (Total: 5) |
| 2001 | Faedra Carpenter<br>Contact instructor or department for details.<br>Contact instructor or department for details. | Seats (Total: 5) |
| 2003 | Cary Gillett<br>Contact instructor or department for details.<br>Contact instructor or department for details.     | Seats (Total: 5) |
| 2005 | Laurie Frederik Meer<br>Contact instructor or department for details.  | Seats (Total: 5) |
| 2007 | Instructor: TBA<br>Contact instructor or department for details.   | Seats (Total: 5) |

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**THET293**
**Black Theatre and Performance I**

Credits: 3

Grading Method: Regular

CORE: HA, D

General Education: DSHU,  
DSSP, DVUP

*Restriction: Sophomore standing or higher.*

*Thematic and historical survey of African-American drama from the late nineteenth century to the 1960s. Emphasis on sociopolitical context, thematic thrust, issues, styles, the aesthetic reflected in the work, impact on African-American and general theatre audiences.*

|      |                                   |                               |
|------|-----------------------------------|-------------------------------|
| 0101 | Leslie Gray<br>MW 2:00pm - 3:45pm | Seats (Total: 25)<br>PAC 1809 |
|------|-----------------------------------|-------------------------------|

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**THET310**
**Voice for the Actor I**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: THET116, THET222, THET223, and TDPS201; and must Interview; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Restriction: Sophomore standing or higher.*

*Freeing the natural voice. In-depth experience of connection of actor's voice to thought, impulse and emotion. Tools for releasing tension, increasing resonance and range, and refining articulation will be explored.*

Students must pay a \$25.00 lab fee.

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 5501 | Leigh Smiley         | Seats (Total: 16) |     |
|      | MW 10:00am - 11:50am | PAC 2740          | Lab |

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**THET324****Character Development**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have completed or be concurrently enrolled in THET310 and THET362; or permission of Instructor. And must audition; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Restriction: Junior standing or higher.*

*European-based physical approach to acting. Primary focus on character development, may include creating original characters and learning how to bring to life an already scripted character. Techniques to explore the soul and psychology of characters and their physical qualities, voice, rhythm and movement.*

Students must pay a \$25.00 lab fee.

|      |                      |                   |     |
|------|----------------------|-------------------|-----|
| 5501 | Leslie Felbain       | Seats (Total: 12) |     |
|      | TuTh 1:30pm - 3:20pm | PAC 3736          | Lab |

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**THET328D****Special Topics in Intermediate Theatre and Performance; Theatre for Young Audiences**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Topics covered include: Intercultural Theatre, Performance Art, Puppetry, Solo Performance, or Theatrical Design.*

Pre-Req Requirements: THET222, THET223, THET116, and TDPS201 or permission of instructor.

|      |                     |                   |  |
|------|---------------------|-------------------|--|
| 0101 | Jared Mezzocchi     | Seats (Total: 10) |  |
|      | MW 12:00pm - 1:50pm | PAC 3736          |  |

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**THET340****Playwriting I**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: THET222, THET223, THET116, and TDPS201. Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department. Credit only granted for: THET340 or THET399P. Formerly: THET399P.*

*Will introduce students to the art of playwriting through exploratory writing exercises, the reading of successful plays, the development of new short scripts, how to make theatrical choices, and how to use the six elements of storytelling.*

Students must pay a \$25.00 lab fee.

|      |                          |                   |
|------|--------------------------|-------------------|
| 5501 | Jennifer Barclay Newsham | Seats (Total: 12) |
|      | MW 10:00am - 11:50am     | PAC 1815          |

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**THET369I      Special Topics in Study Abroad III; Italian Theater: History, Theory, and Practice**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**THET369L      Special Topics in Study Abroad III; 20th Century and Contemporary Latin American Theatre**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**THET371      Scenic Design I**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: THET222, THET223, and THET116; and (THET114; or TDPS201). Or permission of ARHU-School of Theatre, Dance & Performance Studies department.*

*A study of design theory and style. Methods and techniques of coordination of all elements of scenic design for theatre.*

Students must pay a \$25.00 lab fee.

|      |                   |                  |
|------|-------------------|------------------|
| 5501 | Mikhail Kachman   | Seats (Total: 8) |
|      | W 2:00pm - 4:50pm | PAC 2733         |

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**THET372      Stage Property Design**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: THET114; or TDPS201; or permission of ARHU-School of Theatre, Dance & Performance Studies department.*

*Materials and techniques for the design and execution of stage properties with special emphasis on period research, special materials, and special effects.*

|      |                    |                   |
|------|--------------------|-------------------|
| 5501 | Timothy Jones      | Seats (Total: 10) |
|      | Th 6:00pm - 8:50pm | PAC 1702          |

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**THET373                      Rendering for the Theatre I**

(Perm req)                      Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department.*

*A study in the techniques and tools of drawing and painting. It is designed for the student to develop rendering and drawing skills for theatrical design presentation.*

Students must pay a \$25.00 lab fee.

|      |                      |                                   |
|------|----------------------|-----------------------------------|
| 5501 | Helen Huang          | Seats (Total: 8)                  |
|      | TuTh 1:30pm - 2:50pm | PAC 2733                      Lab |

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**THET386                      Experiential Learning**

(Perm req)                      Credits: 3-6                      Grading Method: Regular,  
Pass-Fail

*Restriction: Junior standing or higher; and permission of ARHU-School of Theatre, Dance & Performance Studies department.*

|      |   |                  |
|------|---|------------------|
| 0101 | Instructor: TBA                               | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0201 | Franklin Hildy                                | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0301 | Leigh Smiley                                  | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0401 | Scot Reese                                    | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

|      |  |                  |
|------|--|------------------|
| 0501 | Instructor: TBA<br>Contact instructor or department for details.   | Seats (Total: 5) |
| 0601 | Instructor: TBA<br>Contact instructor or department for details.   | Seats (Total: 5) |
| 0801 | Leslie Felbain<br>Contact instructor or department for details.    | Seats (Total: 5) |
| 0901 | Mitchell Hebert<br>Contact instructor or department for details.   | Seats (Total: 5) |
| 1101 | Mikhail Kachman<br>Contact instructor or department for details.   | Seats (Total: 5) |
| 1301 | Brian MacDevitt<br>Contact instructor or department for details.   | Seats (Total: 5) |
| 1501 | Instructor: TBA<br>Contact instructor or department for details.   | Seats (Total: 5) |
| 1601 | Daniel Conway<br>Contact instructor or department for details.     | Seats (Total: 5) |
| 1701 | Helen Huang<br>Contact instructor or department for details.       | Seats (Total: 5) |
| 1801 | Instructor: TBA<br>Contact instructor or department for details.   | Seats (Total: 5) |
| 2001 | Faendra Carpenter<br>Contact instructor or department for details. | Seats (Total: 5) |
| 2003 | Cary Gillett<br>Contact instructor or department for details.      | Seats (Total: 5) |
| 2005 | Instructor: TBA<br>Contact instructor or department for details.   | Seats (Total: 5) |
| 2007 | Instructor: TBA<br>Contact instructor or department for details.   | Seats (Total: 5) |
| 2009 | Instructor: TBA<br>Contact instructor or department for details.   | Seats (Total: 5) |

**THET390****History of Theatre I**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit, D*Prerequisite: Permission of ARHU-School of Theatre, Dance & Performance Studies department.*

*The history of Western theatre from its origins in classical antiquity through the mid-seventeenth century with emphasis on plays and playwrights, architecture and decor, acting and costuming, and significant personalities. Includes explorations of interrelationships between Western theatre and the theatre of other cultures.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Franklin Hildy         | Seats (Total: 25) |
|      | TuTh 11:00am - 12:15pm | PAC 1815          |

**THET399****Independent Study**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*An independent study in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate in term papers, scenic; lighting, or costume designs; or a stage production.*

|      |   |                  |
|------|---|------------------|
| 0201 | Franklin Hildy                                | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0301 | Leigh Smiley                                  | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0401 | Scot Reese                                    | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0501 | Esther Lee                                    | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0601 | Instructor: TBA                               | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0701 | Jennifer Barclay Newsham                      | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0801 | Leslie Felbain                                | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |



|      |   |                  |
|------|---|------------------|
| 0901 | Mitchell Hebert                               | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 1101 | Mikhail Kachman                               | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 1301 | Brian MacDevitt                               | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 1401 | Instructor: TBA                               | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 1501 | Lisa Nathans                                  | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 1601 | Daniel Conway                                 | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 1701 | Helen Huang                                   | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 1801 | Instructor: TBA                               | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 2001 | Faedia Carpenter                              | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 2003 | Cary Gillett                                  | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 2005 | Laurie Frederik Meer                          | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 2007 | Jared Mezzocchi                               | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 2009 | Instructor: TBA                               | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

**THET399H**

**Independent Study; London Stage**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*An independent study in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate in term papers, scenic; lighting, or costume designs; or a stage production.*

**Contact department for information to register for this course.**

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**THET399W      Independent Study; The London Stage**

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*An independent study in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate in term papers, scenic; lighting, or costume designs; or a stage production.*

**Contact department for information to register for this course.**

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**THET399X      Independent Study; The London Stage**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*An independent study in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate in term papers, scenic; lighting, or costume designs; or a stage production.*

**Contact department for information to register for this course.**

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**THET408W      Seminar: Theory and Performance Studies; Performativity of Law and Justice**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Studies in theatre theory and performance studies from classical antiquity to the present.*

Law is theatre, sport, and business. True stories are creatively told to select audiences and stakes are high. This class will explore the performances and performative power of courtroom trials and testimony, as well as offstage legal culture. We will examine notions of truth, evidence, reason, and justice, and will analyze examples from both the everyday and the sensational.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Laurie Frederik Meer | Seats (Total: 20) |
|      | TuTh 2:00pm - 3:15pm | PAC 1809          |

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**THET411      Voice for the Actor II**

(Perm req)      Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: THET324 or THET325; and must audition; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Restriction: Junior standing or higher. Credit only granted for: THET311, THET411, or THET499L. Formerly: THET311.*

*Learn the International Phonetic Alphabet (IPA) and apply to exploratio of sound and language. Designed to increase voice and speech awareness, and create a base knowledge from which to approach any accent or dialect.*

Students must pay a \$25 lab fee.

|      |                     |                   |
|------|---------------------|-------------------|
| 5501 | Lisa Nathans        | Seats (Total: 12) |
|      | MW 12:00pm - 1:50pm | PAC 2740          |

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**THET425 Actor's Process II**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: THET325; and must audition; and permission of ARHU-School of Theatre, Dance & Performance Studies department.*

*A deeper exploration of the work begun in THET325. A continuation of creating a personal process through which the actor can confidently approach any genre of play. Special focus on status and subtext and the world of the playwright.*

Students must pay a \$25.00 lab fee.

|      |                    |                                   |
|------|--------------------|-----------------------------------|
| 5501 | Mitchell Hebert    | Seats (Total: 12)                 |
|      | MW 2:00pm - 3:50pm | PAC 3730                      Lab |

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**THET428L Special Topics in Advanced Theatre and Performance; Advanced Techniques Lighting Design: Programming**

(Perm req)

Credits: 3                      Grading Method: Regular

*This course is offered as part of the School of Theatre, Dance, and Performance Studies' Artist in Residence program. Topics covered may include: Intercultural Theatre; Performance Art; Puppetry; Solo Performance; or Theatrical Design.*

Required pre-requisite THET377. Students must pay a \$25 lab fee.

|      |                    |                  |
|------|--------------------|------------------|
| 5501 | Peter Leibold      | Seats (Total: 8) |
|      | Tu 1:00pm - 3:50pm | PAC 3731         |

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**THET429 Actor's Studio**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail

*Participation in dramatic roles executed under faculty supervision in the department's productions. Eligible students must make commitments and plan performances with course instructor during pre-registration.*

**Contact department for information to register for this course.**

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**THET452**

**Musical Theatre Workshop II**

Credits: 3

Grading Method: Regular

*Prerequisite: Must audition. Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department.*

*Development of the ability to move, act and express through the media of lyric and music from the integrated musicals of the 1960s through the development of concert and rock/pop musicals.*

Students must pay a \$25 lab fee".

|      |                    |                   |
|------|--------------------|-------------------|
| 5501 | Scot Reese         | Seats (Total: 12) |
|      | Th 1:30pm - 4:30pm | PAC 2740          |

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**THET472**

**Scene Painting**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: THET114 or TDPS201; or permission of ARHU-School of Theatre, Dance & Performance Studies department.*

*Scene painting techniques and materials. Three-dimensional realistic scenery and non-realistic two-dimensional projects.*

Students must pay a \$25 lab fee.

|      |                    |                   |
|------|--------------------|-------------------|
| 5501 | Ann Chismar        | Seats (Total: 7)  |
|      | F 10:00am - 1:50pm | PAC 1702      Lab |

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**THET477**

**Design Studio in Lighting**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: THET377; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Also offered as: THET659. Credit only granted for: THET477 or THET659.*

*Designed for students who have successfully completed THET377 and wish to further develop their lighting design skills. Emphasis is on theoretical design of productions and realized light lab projects. Particular design projects will vary.*

Students must pay a \$25.00 lab fee.

|      |                    |                  |     |
|------|--------------------|------------------|-----|
| 5501 | Brian MacDevitt    | Seats (Total: 3) |     |
|      | MW 3:00pm - 4:50pm | PAC 2755         | Lab |

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**THET481 Theatre Graphics II: Computer Assisted Design**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: THET114 or TDPS201; and THET116; and permission of ARHU-Theatre department.  
Restriction: Sophomore standing or higher.*

*Study and practical application of computer generated graphical design for use in theatrical production.*

Students must pay a \$25.00 lab fee.

|      |                      |                  |     |
|------|----------------------|------------------|-----|
| 5501 | Andrew Cissna        | Seats (Total: 8) |     |
|      | MW 11:00am - 12:50pm | PAC 2727         | Lab |

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**THET489D Special Topics in Theatre History from 1800 to Present; Asian American Theatre**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Topics in the history of world theatre and performance from 1800 to present.*

Also offered as AAST498D. Credit granted for THET489D or AAST498D.

|      |                        |                   |  |
|------|------------------------|-------------------|--|
| 0101 | Esther Lee             | Seats (Total: 20) |  |
|      | TuTh 11:00am - 12:15pm | PAC 1809          |  |

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**THET499 Independent Study**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*An independent study course in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate with term papers, scenic or costume designs, or a stage production.*

|      |   |                  |
|------|---|------------------|
| 0201 | Franklin Hildy                                | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0301 | Leigh Smiley                                  | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0401 | Scot Reese                                    | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0501 | Esther Lee                                    | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0601 | James Harding                                 | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0701 | Jennifer Barclay Newsham                      | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0801 | Leslie Felbain                                | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 0901 | Mitchell Hebert                               | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 1001 | Aaron Posner                                  | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 1101 | Mikhail Kachman                               | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 1301 | Brian MacDevitt                               | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 1401 | Andrew Cissna                                 | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 1501 | Lisa Nathans                                  | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 1601 | Daniel Conway                                 | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |
| 1701 | Helen Huang                                   | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

|      |   |                  |
|------|---|------------------|
| 1801 | Instructor: TBA<br>Contact instructor or department for details.      | Seats (Total: 5) |
| 2001 | Faedora Carpenter<br>Contact instructor or department for details.    | Seats (Total: 5) |
| 2003 | Cary Gillett<br>Contact instructor or department for details.         | Seats (Total: 5) |
| 2005 | Laurie Frederik Meer<br>Contact instructor or department for details. | Seats (Total: 5) |
| 2007 | Jared Mezzocchi<br>Contact instructor or department for details.      | Seats (Total: 5) |
| 2009 | Raye Leith<br>Contact instructor or department for details.           | Seats (Total: 5) |

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### THET499B Independent Study; Figure Drawing

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*An independent study course in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate with term papers, scenic or costume designs, or a stage production.*

Students must pay a \$25 lab fee

|      |                                  |                               |
|------|----------------------------------|-------------------------------|
| 5501 | Raye Leith<br>F 9:00am - 11:50am | Seats (Total: 10)<br>PAC 3736 |
|------|----------------------------------|-------------------------------|

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### THET600 Introduction to Graduate Research Methods

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Also offered as: THET700. Credit only granted for: THET600 or THET700.*

*A research and bibliography course with special emphasis on research in theatre. Required of all M.A. and M.F.A. students.*

|      |                                     |                               |
|------|-------------------------------------|-------------------------------|
| 0101 | Franklin Hildy<br>W 4:00pm - 6:30pm | Seats (Total: 12)<br>PAC 1815 |
|------|-------------------------------------|-------------------------------|

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(Perm req)

Credits: 1      Grading Method: Regular,  
Audit

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Faedra Carpenter     | Seats (Total: 10) |
|      | Tu 10:00am - 10:50am | PAC 1815          |

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

Students must pay a \$25.00 lab fee.

|      |                       |                  |
|------|-----------------------|------------------|
| 0101 | Daniel Conway         | Seats (Total: 8) |
|      | TuTh 9:00am - 10:50am | PAC 2755         |

Credits: 3      Grading Method: Regular,  
Audit

Students must pay a \$25.00 lab fee.

|      |                        |                  |     |
|------|------------------------|------------------|-----|
| 0101 | Helen Huang            | Seats (Total: 8) |     |
|      | TuTh 10:00am - 11:50am | PAC 2733         | Lab |

Credits: 3      Grading Method: Regular,  
Audit

Students must pay a \$25.00 lab fee.



|      |                    |                  |     |
|------|--------------------|------------------|-----|
| 0101 | Andrew Cissna      | Seats (Total: 6) |     |
|      | F 3:00pm - 6:00pm  | PAC 2755         |     |
| 0102 | Brian MacDevitt    | Seats (Total: 6) |     |
|      | MW 3:00pm - 4:50pm | PAC 2755         | Lab |

### THET669

#### Independent Study

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

### THET669D

#### Independent Study; Advanced Media Design

Credits: 1-3      Grading Method: Regular,  
Audit

|      |                    |                  |     |
|------|--------------------|------------------|-----|
| 5501 | Jared Mezzocchi    | Seats (Total: 8) |     |
|      | F 9:00am - 12:00pm | PAC 2727         | Lab |

### THET669F

#### Independent Study; Figure Drawing

Credits: 3      Grading Method: Regular,  
Audit

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 5501 | Raye Leith         | Seats (Total: 10) |  |
|      | F 9:00am - 11:50am | PAC 3736          |  |

### THET669P

#### Independent Study; Photoshop

Credits: 3      Grading Method: Regular,  
Audit

|      |                     |                  |     |
|------|---------------------|------------------|-----|
| 5501 | Daniel Conway       | Seats (Total: 8) |     |
|      | MW 9:00am - 10:50am | PAC 2727         | Lab |

### THET679

#### Advanced Design Studio in Multimedia and Projection Design

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*A repeatable course that allows students to progress in their design training through a series of carefully and individually structured assignments and projects.*

Students must pay a \$25 lab fee.

|      |   |                  |
|------|---|------------------|
| 5501 | Jared Mezzocchi                               | Seats (Total: 5) |
|      | Contact instructor or department for details. |                  |

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**THET698F Seminar: Theatre History; African American Theatre**

Credits: 3      Grading Method: Regular,  
Audit

*Studies in theatre history from classical antiquity to the present.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Faendra Carpenter  | Seats (Total: 10) |
|      | Tu 1:30pm - 4:00pm | PAC 1815          |

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**THET700 Introduction to Doctoral Studies in Theatre**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Must be admitted to the Ph.D. program in Theatre. Also offered as: THET600. Credit only granted for: THET600 or THET700.*

*Basic skills in theatre research.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Franklin Hildy    | Seats (Total: 12) |
|      | W 4:00pm - 6:30pm | PAC 1815          |

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**THET711 Critical Theory**

Credits: 3      Grading Method: Regular

*Prerequisite: THET700. Recommended: THET712.*

*A doctoral methods course. Major developments in modern and postmodern critical theory with particular emphasis on application to the fields of Theatre and Performance Studies.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | James Harding      | Seats (Total: 10) |
|      | Th 4:00pm - 6:30pm | PAC 1815          |

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**THET788 Master's Tutorial**

(Perm req)

Credits: 1-6      Grading Method: Regular,  
Audit

*Collaboration with a faculty member on joint creative and artistic projects.*

**Contact department for information to register for this course.**

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**THET789**

**Master's Practicum**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Participation in creative and artistic activities with professional level theatrical organizations.*

**Contact department for information to register for this course.**

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**THET799**

**Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular

**Contact department for information to register for this course.**

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**THET888**

**Doctoral Practicum in Theatre**

(Perm req)

Credits: 1-6

Grading Method: Regular

*Critical analysis of a phase of a professional field of theatre. Analysis of professional activity through personal observation. Evaluation of the purpose, process, effectiveness, and efficiency of professional activity. Recommendations for training and further research.*

**Contact department for information to register for this course.**

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**THET889**

**Doctoral Tutorial in Theatre**

(Perm req)

Credits: 1-6

Grading Method: Regular

*Individual research in theatre.*

**Contact department for information to register for this course.**

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**THET898**

**Pre-Candidacy Research**

(Perm req)

Credits: 1-6

Grading Method: Regular

**Contact department for information to register for this course.**

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**THET899**

**Doctoral Dissertation Research**

(Perm req)

Credits: 6

Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

**TLPL101****Inquiry Teaching of STEM in Elementary School**

Credits: 1

Grading Method: Regular

*Additional information: Attendance at each class session will be vital to student success in the course. To complete the observations and lessons, students must allow a three-hour block of time during the local elementary school operational hours from 7:45 am to 3:15 pm. A background check is required.*

*Exploration of teaching science or mathematics as a career. Discussions include standards-based lesson design and various teaching strategies. Fieldwork consists of observing, planning and teaching inquiry-based lessons to students in grades three to six in local elementary schools.*

|      |  |                               |
|------|--|-------------------------------|
| 0101 | Kayla White, Julie Brenner<br>M 2:30pm - 3:50pm        | Seats (Total: 22)<br>PHY 1108 |
| 0301 | Steven Karig, Kayla White<br>M 4:00pm - 5:20pm         | Seats (Total: 22)<br>PHY 1108 |
| 0401 | Sarah Henson-Darko, Steven Karig<br>Th 2:00pm - 3:20pm | Seats (Total: 22)<br>PHY 1108 |

**TLPL102****Inquiry Teaching of STEM in Middle School**

Credits: 2

Grading Method: Regular

General Education: DSSP

*Prerequisite: Must have completed TLPL101. Additional information: Attendance at each class session will be vital to student success in the course. To complete the observations and lessons, students must allow a three hour block of time during the local middle school operational hours from 7:45 am to 3:15 pm. A background check is required.*

*Second course in the Terrapin Teachers teacher preparation sequence. Students gain field experience and continue exploring teaching as a career by conducting teacher observations, and planning and implementing lessons in local, high-need middle school classrooms. Students work closely with UM master teachers to build upon the inquiry-based teaching practices developed in TLPL 101. Students work with mathematics and science curricula while attending to state and district standards, in order to develop and enact lessons that are responsive to students' reasoning in math and science.*

|      |                                   |                               |
|------|-----------------------------------|-------------------------------|
| 0101 | Anita Sanyal<br>M 4:00pm - 5:50pm | Seats (Total: 24)<br>PLS 1115 |
|------|-----------------------------------|-------------------------------|

**TLPL418****Teaching Residency**

Credits: 3

Grading Method: Sat-Fail

*An extended teaching internship in an Elementary Professional Development School. School placements to be arranged.*

|      |  |                  |
|------|--|------------------|
| 0101 | Deborah Lewin  | Seats (Total: 0) |
|      | Contact instructor or department for details. SQH 1103 |                  |
|      | F 9:00am - 10:50am                                     |                  |
| 0201 | Susan Denvir   | Seats (Total: 0) |
|      | Contact instructor or department for details. SQH 1103 |                  |
|      | F 9:00am - 10:50am                                     |                  |
| 0301 | Tracy Dunheimer  | Seats (Total: 0) |
|      | Contact instructor or department for details. SQH 1103 |                  |
|      | F 9:00am - 10:50am                                     |                  |

## TLPL446

### Language Variation and Multilingualism in Elementary Classrooms

Credits: 3      Grading Method: Regular

*Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching and Learning, Policy and Leadership department.*

*Issues in language variation and multilingualism in elementary classrooms, schools and communities with a focus on classroom practice, assessment, and policy.*

|      |                     |                  |
|------|---------------------|------------------|
| 0101 | Christina Budde     | Seats (Total: 0) |
|      | Tu 8:30am - 11:15am | EDU 2212         |
| 0201 | Kellie Rolstad      | Seats (Total: 0) |
|      | W 12:00pm - 2:45pm  | EDU 1315         |
| 0301 | Natalia Guzman      | Seats (Total: 0) |
|      | M 8:30am - 11:15am  | EDU 1107         |

## TLTC

### Teaching and Learning Transformation Center

**Fall 2017**

## TLTC333

### Fundamentals of Academic Peer Mentoring

(Perm req)

Credits: 1      Grading Method: Regular

*Restriction: Permission of TLTC required - enrollment restriction.*

*How should scientific research influence the way we study and advance the academic performance of others? Learn about the scholarship of teaching and learning and develop the applied skills to support active learning as an academic peer mentor. Whether or not you are ultimately pursuing a career as an educator, the more effectively you can coach and support the performance of other people, and the more successful you will be. Guided online and face-to-face participation will culminate in a portfolio of your teaching activities and professional development.*

*[Click here for more course information.](#)*

|      |   |                    |
|------|---|--------------------|
| 0101 | Alexis Williams                               | Seats (Total: 100) |
|      | Class time/details on ELMs                    | ONLINE             |
|      | Contact instructor or department for details. |                    |

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### **TLTC399      Independent Study in Academic Peer Mentoring**

(Perm req)

Credits: 1-3      Grading Method: Regular

*Earn academic credit for the time spent supporting a course in TLTC's Academic Peer Mentoring Program (AMP).*

Prerequisite: Must have completed or be concurrently enrolled in TLTC333. Restriction: Permission of TLTC required - enrollment restriction. Repeatable to 6 credits.

**Contact department for information to register for this course.**

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### **TLTC798      University Teaching and Learning**

(Perm req)

Credits: 1-2      Grading Method: Regular

*Special topic courses directed at experienced graduate teaching assistants who are interested in university teaching and learning issues. Can be used by students for participation in the University Teaching and Learning Program.*

Special topics course directed at experienced graduate teaching assistants who are interested in university teaching and learning issues. Can be used by students for participation in the University Teaching and Learning Program. Click here for more course information: [tltc.umd.edu/798](http://tltc.umd.edu/798)

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Marissa Stewart    | Seats (Total: 20) |
|      | Tu 2:30pm - 4:30pm | ESJ 1309          |

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## **TOXI      Toxicology**

**Fall 2017**

### **TOXI609      Methods in Toxicology**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

*Provides the opportunity for graduate students to become familiar with laboratory methods used by the staff to study the effect of toxins and environmental pollutants on living systems. Permission and credit arranged individually.*

|   |             |                  |
|---|-------------|------------------|
| 0101  | Judd Nelson | Seats (Total: 5) |
| Contact instructor or department for details. |             |                  |

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## UMEI      Maryland English Institute      Fall 2017

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### UMEI002      English as a Foreign Language: Intermediate I

(Perm req)

Credits: 12      Grading Method: Sat-Fail

*Restriction: Permission of EDUC-Dean-Maryland English Institute department.*

*Intensive course for the non-native speaker of English who has had some previous instruction in English. Emphasis on improving listening and speaking skills, on mastering intermediate grammatical structures, and on expanding vocabulary. Includes practice in reading and writing appropriate to the level. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.*

|      |                          |                   |
|------|--------------------------|-------------------|
| 0101 | Ahri Lee, Raymond Smith  | Seats (Total: 20) |
|      | MTuWThF 9:00am - 11:50am | COL 3109          |
|      | MTuWThF 1:00pm - 2:50pm  | COL 3109          |

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### UMEI003      English as a Foreign Language: Intermediate II

(Perm req)

Credits: 12      Grading Method: Sat-Fail

*Restriction: Permission of EDUC-Dean-Maryland English Institute department.*

*Intensive course for the non-native speaker of English who has mastered the essential structures of English grammar. Emphasis on improving communicative skills for a wide range of linguistic situations, on rapid expansion of vocabulary, and on improving reading comprehension and basic writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.*

|      |                             |                   |
|------|-----------------------------|-------------------|
| 0101 | Rachel Korr, Deborah Turner | Seats (Total: 20) |
|      | MTuWThF 9:00am - 11:50am    | HBK 0108          |
|      | MTuWThF 1:00pm - 2:50pm     | HBK 0108          |

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### UMEI004      English as a Foreign Language: Intermediate III

(Perm req)

Credits: 12      Grading Method: Sat-Fail

*Intensive course for the non-native speaker of English who has a good command of the basic features of spoken and written English. Emphasis on refining speaking and listening skills, on improving reading speed and comprehension of academic texts, and on developing writing skills for academic courses. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Melanie Baker, Caralyn Bushey           | Seats (Total: 20) |
|      | MTuWThF 9:00am - 11:50am                | COL 3110          |
|      | MTuWThF 1:00pm - 2:50pm                 | COL 3110          |
| 0201 | Caralyn Bushey, Christopher Vizcarrondo | Seats (Total: 20) |
|      | MWF 9:00am - 11:50am                    | ATL 2330          |
|      | Tu 9:00am - 11:50am                     | ATL 2330          |
|      | Th 9:00am - 11:50am                     | ATL 1106          |
|      | MWF 1:00pm - 2:50pm                     | ATL 2352          |
|      | TuTh 1:00pm - 2:50pm                    | SQH 2113          |
| 0301 | Louise Godley, Heather Mehrstens        | Seats (Total: 20) |
|      | MTuWThF 9:00am - 11:50am                | SQH 1111          |
|      | MTuWThF 1:00pm - 2:50pm                 | HBK 0125          |
| 0401 | Heather Mehrstens, Caroline Thompson    | Seats (Total: 20) |
|      | MWF 9:00am - 11:50am                    | SQH 1123          |
|      | TuTh 9:00am - 11:50am                   | SQH 1123          |
|      | MWF 1:00pm - 2:50pm                     | JMZ 1120          |
|      | Tu 1:00pm - 2:50pm                      | JMZ 1120          |
|      | Th 1:00pm - 2:50pm                      | JMZ 1120          |

## Advanced English as a Foreign Language

*Semi-intensive course for the nearly proficient non-native speaker of English needing additional language instruction prior to undertaking full-time academic study. Speaking and listening skills; improvement of reading speed and comprehension; and development of writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Dee Broughton   | Seats (Total: 15) |
|      | MTuThF 9:00am - 10:50am                                 | TWS 1320          |
|      | <i>This section is restricted to Graduate Students.</i> |                   |



|      |  |                   |
|------|--|-------------------|
| 0201 | Lori Fredricks   | Seats (Total: 15) |
|      | MF 1:00pm - 2:50pm   | SPH 1301          |
|      | Tu 1:00pm - 2:50pm   | EGR 2154          |
|      | Th 1:00pm - 2:50pm   | EGR 3111          |
|      | <i>This section is restricted to Undergraduate Students.</i> |                   |
| 0301 | Dee Broughton  | Seats (Total: 15) |
|      | MTuThF 1:00pm - 2:50pm                                       | PHY 4222          |
|      | <i>This section is restricted to Graduate Students.</i>      |                   |
| 0401 | Deborah Turner   | Seats (Total: 15) |
|      | MF 9:00am - 10:50am  | PHY 4222          |
|      | TuTh 9:00am - 10:50am  | SQH 2120          |
|      | <i>This section is restricted to Undergraduate Students.</i> |                   |
| 0501 | Annelies Galletta  | Seats (Total: 15) |
|      | MTuWTh 6:00pm - 7:50pm                                       | JMZ 1103          |
|      | <i>This section is restricted to Graduate Students.</i>      |                   |
| 0601 | Eric Walker  | Seats (Total: 15) |
|      | MF 8:00am - 9:50am   | JMZ 1122          |
|      | TuTh 8:00am - 9:50am   | ARC 1125          |
|      | <i>This section is restricted to Undergraduate Students.</i> |                   |
| 0701 | Charles Duquette   | Seats (Total: 15) |
|      | MF 9:00am - 10:50am  | JMZ 1123          |
|      | TuTh 9:00am - 10:50am  | JMZ 2117          |
|      | <i>This section is restricted to Graduate Students.</i>      |                   |
| 0801 | Eda Yoon   | Seats (Total: 15) |
|      | MF 9:00am - 10:50am  | ATL 2316          |
|      | TuTh 9:00am - 10:50am  | ATL 1114          |
|      | <i>This section is restricted to Undergraduate Students.</i> |                   |
| 0901 | Annelies Galletta  | Seats (Total: 15) |
|      | MTuWTh 3:00pm - 4:50pm                                       | COL 3109          |
|      | <i>This section is restricted to Graduate Students.</i>      |                   |

|      |  |                   |
|------|--|-------------------|
| 1001 | Eric Walker  | Seats (Total: 15) |
|      | MTuThF 11:00am - 12:50pm                                     | ARC 1127          |
|      | <i>This section is restricted to Undergraduate Students.</i> |                   |
| 1201 | Eda Yoon   | Seats (Total: 15) |
|      | MF 12:00pm - 1:50pm  | SQH 1103          |
|      | TuTh 12:00pm - 1:50pm  | LEF 1221          |
|      | <i>This section is restricted to Undergraduate Students.</i> |                   |
| 1401 | Lori Fredricks   | Seats (Total: 15) |
|      | MF 10:00am - 11:50am   | PHY 1204          |
|      | TuTh 10:00am - 11:50am                                       | JMZ 1224          |
|      | <i>This section is restricted to Undergraduate Students.</i> |                   |
| 1601 | Nasreen Abbas  | Seats (Total: 15) |
|      | MF 1:00pm - 2:50pm   | ATL 2316          |
|      | TuTh 1:00pm - 2:50pm   | LEF 1171          |
|      | <i>This section is restricted to Undergraduate Students.</i> |                   |

## UMEI006

### English Pronunciation

(Perm req)

Credits: 2

Grading Method: Sat-Fail,  
Audit

*Restriction: Must have graduate standing.*

*Individualized class for the non-native speaker of English. Diagnosis of individual pronunciation problems. Practice in the correct pronunciation of English sounds and improvement of ability to speak English with proper stress and intonation patterns. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Marilena Draganescu   | Seats (Total: 16) |
|      | MW 1:00pm - 2:30pm    | KNI 1105          |
| 0201 | Jonathan Malone       | Seats (Total: 16) |
|      | TuTh 9:00am - 10:30am | JMZ 1122          |
| 0301 | Marilena Draganescu   | Seats (Total: 16) |
|      | TuTh 9:00am - 10:30am | LEF 1221          |

## UMEI007

### Advanced Writing for International Students

Credits: 3      Grading Method: Sat-Fail, Audit

*Restriction: Must have graduate standing.*

*A writing skills course for the non-native speaker of English with a good command of spoken English. This course does not carry credit towards any degree at the University and does not count in the retention plan.*

Restriction: Must have graduate standing.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Cornell Brellenthin  | Seats (Total: 16) |
|      | TuTh 1:00pm - 2:50pm | SQH 1121          |
| 0201 | Susan Gould          | Seats (Total: 16) |
|      | MW 7:00pm - 8:50pm   | KNI 1105          |

**UMEI008      Advanced Oral Communication Skills**

(Perm req)

Credits: 2      Grading Method: Sat-Fail, Audit

*For advanced non-native speakers of English. Practice in speaking skills relevant to the academic situation. Improvement of speaking skills for various classroom activities such as participating in discussions, making appointments with professors, asking for information and presenting oral reports. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.*

Restriction: Must have graduate standing; and permission of EDUC-Dean-Maryland English Institute department.

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|------|--------------------|-------------------|
| 0101 | Susan Gould        | Seats (Total: 20) |
|      | MW 3:30pm - 5:30pm | COL 3114          |

## UNIV University Courses

# Fall 2017

## UNIV099      Internship Seminar

(Perm req)

Credits: 0      Grading Method: Sat-Fail

*Complements students' supervised work experiences. Open to all majors; all class levels. Involves exploring career options, developing professional work skills, examining the relationship between internship and academic coursework. Course may be repeated.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Erica Ely, Maria Bowman                       | Seats (Total: 90) |
|      | Contact instructor or department for details. |                   |

|      |  |                   |
|------|--|-------------------|
| 0201 | Angela Vaughn  | Seats (Total: 90) |
|      | Contact instructor or department for details.  |                   |
|      | <i>Restricted to BMGT MS-specialty students; send an email to BMGT099@rhsmith.umd.edu for details.</i> |                   |

## UNIV100

### The Student in the University

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: EDCP1080 or UNIV100. Formerly: EDCP1080.*

*Introduces students to University life. In a small classroom setting, students will explore how to successfully bridge the gap between high school and college. Study skills, career decision-making, and student development processes will be explored.*

|      |   |                   |
|------|---|-------------------|
| 0010 | Kyle Whitaker   | Seats (Total: 20) |
|      | Th 3:00pm - 4:50pm  | JMZ 1122          |
|      | <i>Course enrollment is limited to first-generation college students (i.e. students whose parents/guardians have not earned a four-year college degree). Please direct any questions to ctruesde@umd.edu.</i> |                   |
| 0101 | Iceney Williams   | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - November 17, 2017</b>  |                   |
|      | Tu 11:00am - 12:20pm  | HBK 0105          |
|      | <i>Restricted to first semester students enrolled in UTerp program.</i>   |                   |
| 0102 | Troy Lewis  | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - November 17, 2017</b>  |                   |
|      | M 12:30pm - 1:50pm  | TWS 1321          |
|      | <i>Restricted to first semester students enrolled in UTerp program.</i>   |                   |
| 0201 | Brandon Clark   | Seats (Total: 20) |
|      | M 10:00am - 11:50am   | TLF 1103          |
|      | <i>Restricted to First Semester BSOS Majors.</i>  |                   |
| 0202 | Lindsey Winter  | Seats (Total: 20) |
|      | W 2:00pm - 3:50pm   | TLF 1103          |
|      | <i>Restricted to First Semester BSOS Majors.</i>  |                   |

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| 0203 | TC Lloyd<br>Th 3:00pm - 4:50pm<br><i>Restricted to First Semester BSOS Majors.</i>  | Seats (Total: 20)<br>PLS 1115      |
| 0204 | Caroline Bruchman, Christie Cradock<br>Tu 10:00am - 11:50am<br><i>Restricted to First Semester BSOS Majors.</i>   | Seats (Total: 20)<br>CHM 0124      |
| 0205 | Maya Aduba, Bailey Kier<br>W 3:00pm - 4:50pm<br><i>Restricted to First Semester BSOS Majors.</i>  | Seats (Total: 20)<br>PLS 1146      |
| 0206 | Christa Cooper, Kenneth Kokason<br>Th 10:00am - 11:50am<br><i>Restricted to First Semester BSOS Majors.</i>   | Seats (Total: 20)<br>ATL 0201      |
| 0207 | Rosalyn Anderson-Howell<br>Tu 3:00pm - 4:50pm<br><i>Restricted to First Semester BSOS Majors.</i>   | Seats (Total: 20)<br>PLS 1111      |
| 0208 | Kimberly Bethke<br>M 3:00pm - 4:50pm<br><i>Restricted to First Semester BSOS Majors.</i>  | Seats (Total: 20)<br>KEY 0124      |
| 0305 | Christopher Lester<br>W 6:00pm - 7:50pm<br><i>Restricted to OMSE - College Success Scholars. Class will meet in Room Nonprint Media - Hornbake Library.</i> | Seats (Total: 20)<br>Location: TBA |
| 0306 | Christopher Lester<br>W 6:00pm - 7:50pm<br><i>OMSE- College Success Scholars. Class will meet in Room H Nonprint Medi - Hornbake Library.</i>               | Seats (Total: 20)<br>Location: TBA |
| 0307 | Christopher Lester<br>W 6:00pm - 7:50pm<br><i>OMSE-College Success Scholars. Class will meet in Room H Nonprint Media - Hornbake Library.</i>               | Seats (Total: 20)<br>Location: TBA |

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|------|--|------------------------------------|
| 0502 | Jennifer Froh<br>Th 2:00pm - 3:50pm<br><i>Restricted to students in the College of Education.</i>  | Seats (Total: 20)<br>Location: TBA |
| 0601 | LaWanda Kamalidiin<br>W 2:00pm - 3:50pm<br><i>Restricted to Engineering Bridge Program Participants.</i>   | Seats (Total: 20)<br>Location: TBA |
| 0604 | Shannon Hayes<br>Th 3:00pm - 4:50pm<br><i>For Transfer Engineering Students only.</i>  | Seats (Total: 20)<br>PHY 4222      |
| 0702 | Olive Reid<br>Tu 3:15pm - 4:45pm<br><i>Restricted to Journalism majors.</i>  | Seats (Total: 20)<br>KNI 1206      |
| 0801 | Thomas Steen<br><b>Meets September 4, 2017 - November 17, 2017</b><br>M 2:00pm - 3:50pm<br><i>Restricted to First Semester Letters and Sciences Students.</i>  | Seats (Total: 20)<br>PLS 1164      |
| 0802 | Marchelle Payne-Gassaway<br><b>Meets September 4, 2017 - November 17, 2017</b><br>Tu 2:00pm - 3:50pm<br><i>Restricted to First Semester Letters and Sciences students.</i>   | Seats (Total: 20)<br>JMZ 1122      |
| 0803 | Jacqueline Kautzer<br><b>Meets September 4, 2017 - November 17, 2017</b><br>Tu 3:30pm - 5:20pm<br><i>For first semester Letters and Sciences students who are in the Carillon Enterprising Cultures Community. Part of the Carillon Communities Living Learning program.</i> | Seats (Total: 24)<br>JMZ 0208      |
| 0804 | Gregory Shaffer<br><b>Meets September 4, 2017 - November 17, 2017</b><br>M 12:00pm - 1:50pm<br><i>Restricted to First Semester Letters and Sciences Students interested in Pre-law.</i>  | Seats (Total: 20)<br>PLS 1115      |

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|------|--|-------------------|
| 0805 | Ann Smith  | Seats (Total: 22) |
|      | <b>Meets September 4, 2017 - November 17, 2017</b>   |                   |
|      | M 3:30pm - 5:20pm  | JMZ 1120          |
|      | <i>For first semester Letters and Sciences students who are in the Carillon Once &amp; Future Planet community. Part of the Carillon Communities Living Learning program.</i>              |                   |
| 0806 | Alexis Aduba   | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - November 17, 2017</b>   |                   |
|      | W 3:30pm - 5:20pm  | LEF 1221          |
|      | <i>Restricted to First Semester Letters and Sciences Students.</i>   |                   |
| 0807 | Yenti Sunarto  | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - November 17, 2017</b>   |                   |
|      | Tu 11:00am - 12:50pm   | LEF 1222          |
|      | <i>For first semester Letters and Sciences students who are interested in STEM (science, technology, mathematics, engineering) majors or careers. Part of the STEM Exploration Series.</i> |                   |
| 0808 | Noah Jacobs  | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - November 17, 2017</b>   |                   |
|      | Tu 2:00pm - 3:50pm   | PLS 1158          |
|      | <i>For first semester Letters and Sciences students who are interested in STEM (science, technology, mathematics, engineering) majors or careers. Part of the STEM Exploration Series.</i> |                   |
| 0809 | Melissa Del Rios   | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - November 17, 2017</b>   |                   |
|      | W 3:30pm - 5:20pm  | JMZ 1120          |
|      | <i>For first semester Letters and Sciences students who are in the Carillon iGIVE community. Part of the Carillon Communities Living Learning program.</i>                                 |                   |

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|------|--|-------------------|
| 0811 | Dawn Simounet  | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - November 17, 2017</b>   |                   |
|      | M 3:30pm - 5:20pm  | JMZ 2122          |
|      | <i>For first semester Letters and Sciences students who are in the Carillon Once &amp; Future Planet community. Part of the Carillon Communities Living Learning program.</i>              |                   |
| 0812 | Sarah Wilson   | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - November 17, 2017</b>   |                   |
|      | Tu 12:30pm - 2:20pm  | EGR 1110          |
|      | <i>For first semester Letters and Sciences students who are interested in STEM (science, technology, mathematics, engineering) majors or careers. Part of the STEM Exploration Series.</i> |                   |
| 0814 | Lisa Kiely   | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - November 17, 2017</b>   |                   |
|      | W 3:30pm - 5:20pm  | JMZ 1215          |
|      | <i>For first semester Letters and Sciences students who are in the Carillon iGIVE community. Part of the Carillon Communities Living Learning program.</i>                                 |                   |
| 0815 | Hana Zewdie, Dariya Brown  | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - November 17, 2017</b>   |                   |
|      | W 9:00am - 10:50am   | WDS 0104          |
|      | <i>Restricted to First Semester Letters and Sciences Students.</i>   |                   |
| 0820 | Amy Vaillancourt   | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - November 17, 2017</b>   |                   |
|      | Th 12:30pm - 2:20pm  | BPS 1234          |
|      | <i>For first semester Letters and Sciences students who are interested in STEM (science, technology, mathematics, engineering) majors or careers. Part of the STEM Exploration Series.</i> |                   |



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|------|--|-------------------|
| 0822 | Kristyn Lue  | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - November 17, 2017</b>   |                   |
|      | Th 9:30am - 11:20am  | BPS 1234          |
|      | <i>For first semester Letters and Sciences students who are interested in STEM (science, technology, mathematics, engineering) majors or careers. Part of the STEM Exploration Series.</i> |                   |
| 0823 | Shannon Donaldson  | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - November 17, 2017</b>   |                   |
|      | W 3:30pm - 5:20pm  | PHY 4222          |
|      | <i>Restricted to First Semester Letters and Sciences students.</i>   |                   |
| 0825 | Yali Pan   | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - November 17, 2017</b>   |                   |
|      | M 11:00am - 12:50pm  | PLS 1164          |
|      | <i>Restricted to First Semester/International students in Letters and Sciences students.</i>   |                   |
| 0826 | Matthew Sinclair   | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - November 17, 2017</b>   |                   |
|      | M 3:30pm - 5:20pm  | JMZ 2207          |
|      | <i>Restricted to First Semester Letters and Sciences students.</i>   |                   |
| 0841 | Kalani Johnson   | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - November 17, 2017</b>   |                   |
|      | Tu 3:30pm - 5:20pm   | ATL 0201          |
|      | <i>Restricted to First Semester Letters and Sciences students.</i>   |                   |
| 0850 | Devyn Sturdavant   | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - November 17, 2017</b>   |                   |
|      | W 1:00pm - 2:50pm  | PLS 1164          |
|      | <i>For first semester Letters and Sciences students interested in business. Part of the Business Exploration Series.</i>   |                   |

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| 0851 | Ruth Morris  | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - November 17, 2017</b>   |                   |
|      | M 1:00pm - 2:50pm  | LEF 1220          |
|      | <i>For first semester Letters and Sciences students interested in business. Part of the Business Exploration Series.</i>   |                   |
| 0852 | Tricia Anne Arndts   | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - November 17, 2017</b>   |                   |
|      | W 3:00pm - 4:50pm  | SKN 1112          |
|      | <i>For first semester Letters and Sciences students interested in business. Part of the Business Exploration Series.</i>   |                   |
| 0854 | LaVonne Whitehead  | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - November 17, 2017</b>   |                   |
|      | M 2:00pm - 3:50pm  | PLS 1115          |
|      | <i>For first semester Letters and Sciences students who are interested in STEM (Science, Technology, Mathematics, Engineering) majors or careers. Part of the STEM Exploration Series.</i> |                   |
| 0858 | Lisa Scheeler  | Seats (Total: 20) |
|      | <b>Meets September 4, 2017 - November 17, 2017</b>   |                   |
|      | M 3:00pm - 4:50pm  | PHY 4222          |
|      | <i>For first semester Letters and Sciences students interested in business Part of the Business Exploration Series.</i>  |                   |
| 0901 | Thomas Gleason   | Seats (Total: 20) |
|      | M 2:00pm - 3:50pm  | EGR 1104          |
|      | <i>Restricted to Physics majors.</i>   |                   |
| 0902 | Matthew Cuozzo   | Seats (Total: 20) |
|      | M 3:00pm - 4:50pm  | JMZ 0208          |
|      | <i>Restricted to BioFire students.</i>   |                   |
| 0903 | Jennie Gouker  | Seats (Total: 20) |
|      | Tu 2:00pm - 3:50pm   | PLS 1168          |
|      | <i>Restricted to BSCI-CHEM-BCHM majors.</i>  |                   |

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| 0904 | Gene Ferrick<br>Th 10:00am - 11:50am<br><i>Restricted to BSCI-CHEM-BCHM majors.</i>          | Seats (Total: 20)<br>CHM 0119 |
| 0905 | Moriah Petersen<br>Tu 11:00am - 12:50pm<br><i>Restricted to BSCI-CHEM-BCHM majors.</i>       | Seats (Total: 20)<br>BPS 1234 |
| 0906 | Marsha Guenzler-Stevens<br>Tu 1:00pm - 2:50pm<br><i>Restricted to BSCI-CHEM-BCHM majors.</i> | Seats (Total: 20)<br>JMZ 1124 |
| 0907 | Eden Garosi<br>Tu 1:00pm - 2:50pm<br><i>Restricted to BSCI, BCHM and CHM students.</i>       | Seats (Total: 20)<br>PLS 1113 |
| 0908 | Logan Anbinder<br>Th 2:00pm - 3:50pm<br><i>Restricted to BSCI, BCHM and CHM students.</i>    | Seats (Total: 20)<br>CHM 0124 |
| 0910 | Amy Alexander<br>M 2:00pm - 3:50pm<br><i>Restricted to CMNS majors.</i>                      | Seats (Total: 20)<br>SYM 0209 |
| 0912 | Gerry Strumpf<br>W 12:00pm - 1:50pm<br><i>Restricted to BSCI-CHEM-BCHM majors.</i>           | Seats (Total: 15)<br>COL 1102 |
| 0915 | Kasey Ezzat<br>M 1:00pm - 2:50pm<br><i>Restricted to BSCI-CHEM-BCHM majors.</i>              | Seats (Total: 20)<br>PLS 1111 |
| 0916 | Alicia Thomas<br>Tu 10:00am - 11:50am<br><i>Restricted to BSCI-CHEM-BCHM majors.</i>         | Seats (Total: 20)<br>ATL 0201 |
| 0918 | Hang Le<br>W 2:00pm - 3:50pm<br><i>Restricted to BSCI-CHEM-BCHM majors.</i>                  | Seats (Total: 20)<br>PLS 1158 |

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|------|---|-------------------------------|
| 0919 | Stephanie Bent<br>Th 2:00pm - 3:50pm<br><i>Restricted to BSCI-CHEM-BCHM majors.</i>   | Seats (Total: 20)<br>PLS 1168 |
| 0920 | Jessica Wilke<br>F 1:00pm - 2:50pm<br><i>Restricted to students in College Park Scholars program.</i>                             | Seats (Total: 20)<br>CCC 1200 |
| 0925 | Justin Nero<br>W 1:00pm - 2:30pm<br><i>Restricted to BSCI-CHEM-BCHM majors.</i>   | Seats (Total: 20)<br>PHY 1219 |
| 0926 | Lital Ehrlich<br>M 2:00pm - 3:50pm<br><i>This section restricted to BioFIRE students.</i>   | Seats (Total: 24)<br>JMZ 0118 |
| 0927 | Stephanie Carrington-Brown<br>Tu 2:00pm - 3:50pm<br><i>Restricted for BioFire students.</i>                                       | Seats (Total: 24)<br>PHY 1219 |
| 1101 | Michael Brick<br>Tu 9:30am - 10:45am<br><i>Restricted to ARCH majors only; cannot be dropped without permission from college.</i> | Seats (Total: 18)<br>ARC 1117 |
| 1102 | Michael Brick<br>Th 9:30am - 10:45am<br><i>Restricted to ARCH majors only; cannot be dropped without permission from college.</i> | Seats (Total: 18)<br>ARC 1117 |
| 1201 | Zackary Hull<br>F 11:00am - 12:15pm<br><i>Restricted to SPHL majors only; cannot be dropped without permission from college.</i>  | Seats (Total: 20)<br>SPH 0305 |
| 1202 | Jaime Oliver<br>Tu 3:30pm - 4:45pm<br><i>Restricted to SPHL majors only; cannot be dropped without permission from college.</i>   | Seats (Total: 20)<br>SPH 0305 |
| 1203 | Renee Stokes<br>Th 9:30am - 10:45am<br><i>Restricted to SPHL majors only; cannot be dropped without permission from college.</i>  | Seats (Total: 20)<br>SPH 0301 |

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| 1204 | Felicia Low<br>Th 9:30am - 10:45am<br><i>Restricted to SPHL majors only; cannot be dropped without permission from college.</i>              | Seats (Total: 20)<br>JUL 1105 |
| 1205 | Ron Padron<br>Th 2:00pm - 3:15pm<br><i>Restricted to SPHL majors only; cannot be dropped without permission from college.</i>                | Seats (Total: 20)<br>JMZ 1103 |
| 1206 | Leah Grosse<br>W 11:00am - 12:15pm<br><i>Restricted to SPHL majors only; cannot be dropped without permission from college.</i>              | Seats (Total: 20)<br>WDS 1127 |
| 1207 | Polly Sebastian Schurer<br>Tu 9:30am - 10:45am<br><i>Restricted to SPHL majors only; cannot be dropped without permission from college.</i>  | Seats (Total: 20)<br>SPH 0307 |
| 1501 | Hollin Roberts<br>Th 2:00pm - 3:50pm<br><i>Restricted to College of Agriculture and Natural Resources, First Year or Transfer Students.</i>  | Seats (Total: 15)<br>ARC 1123 |
| 1502 | Heather Buchanan<br>W 2:00pm - 3:50pm<br><i>Restricted to College of Agriculture and Natural Resources, First Year or Transfer Students.</i> | Seats (Total: 15)<br>PLS 1119 |
| 1503 | Evelyn Cooper<br>M 2:00pm - 3:50pm<br><i>Restricted to College of Agriculture and Natural Resources, First Year or Transfer Students.</i>    | Seats (Total: 15)<br>PLS 1162 |
| FC01 | Gregory Shaffer<br>M 7:30pm - 8:45pm<br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 20)<br>JMZ 0118 |
| FC02 | Victoria Shay<br>M 4:30pm - 5:45pm<br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 20)<br>PLS 1111 |

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| FC03 | Erin Iverson<br>F 10:00am - 11:15am<br><i>Restricted to students in Freshmen Connection.</i>   | Seats (Total: 20)<br>KEY 0126 |
| FC04 | Alison Barlow<br>F 1:00pm - 2:15pm<br><i>Restricted to students in Freshmen Connection.</i>    | Seats (Total: 20)<br>HBK 0103 |
| FC05 | Cameron Agerston<br>W 7:30pm - 8:45pm<br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 20)<br>PLS 1111 |
| FC06 | Zabrina Anzyl<br>W 6:00pm - 7:15pm<br><i>Restricted to students in Freshmen Connection.</i>    | Seats (Total: 20)<br>JMZ 1124 |
| FC07 | Briana O'Neal<br>Th 7:30pm - 8:45pm<br><i>Restricted to students in Freshmen Connection.</i>   | Seats (Total: 20)<br>PLS 1115 |
| FC08 | Amanda Bachert<br>M 6:00pm - 7:15pm<br><i>Restricted to students in Freshmen Connection.</i>   | Seats (Total: 20)<br>JMZ 1120 |
| FC09 | Lori Kader<br>F 11:30am - 12:45pm<br><i>Restricted to students in Freshmen Connection.</i>     | Seats (Total: 20)<br>PLS 1111 |
| FC10 | Erin Iverson<br>F 11:30am - 12:45pm<br><i>Restricted to students in Freshmen Connection.</i>   | Seats (Total: 20)<br>EGR 1102 |
| FC11 | Steven Young<br>F 1:00pm - 2:15pm<br><i>Restricted to students in Freshmen Connection.</i>     | Seats (Total: 20)<br>PLS 1146 |
| FC12 | Steven Young<br>M 3:00pm - 4:15pm<br><i>Restricted to students in Freshmen Connection.</i>     | Seats (Total: 20)<br>BPS 1228 |

|      |  |                               |
|------|--|-------------------------------|
| FC13 | J Darius Greene<br>M 6:00pm - 7:15pm<br><i>Restricted to students in Freshmen Connection.</i>        | Seats (Total: 20)<br>KEY 0121 |
| FC14 | Matthew Nesson<br>Th 7:30pm - 8:45pm<br><i>Restricted to students in Freshmen Connection.</i>        | Seats (Total: 20)<br>EDU 3315 |
| FC15 | LaVonne Whitehead<br>F 11:30am - 12:45pm<br><i>Restricted to students in Freshmen Connection.</i>    | Seats (Total: 20)<br>EGR 2116 |
| FC16 | David Toledo<br>F 10:00am - 11:15am<br><i>Restricted to students in Freshmen Connection.</i>         | Seats (Total: 20)<br>ASY 3207 |
| FC17 | Lori Kader<br>Tu 3:00pm - 4:15pm<br><i>Restricted to students in Freshmen Connection.</i>            | Seats (Total: 20)<br>PLS 1115 |
| FC18 | Thomas Steen<br>M 6:00pm - 7:15pm<br><i>Restricted to students in Freshmen Connection.</i>           | Seats (Total: 20)<br>ASY 3215 |
| FC19 | Raymond Nardella<br>F 1:00pm - 2:15pm<br><i>Restricted to students in Freshmen Connection.</i>       | Seats (Total: 20)<br>PLS 1111 |
| FC20 | Matthew Sinclair<br>Tu 3:00pm - 4:15pm<br><i>Restricted to students in Freshmen Connection.</i>      | Seats (Total: 20)<br>HBK 0103 |
| FC21 | Christopher Colclough<br>Th 3:00pm - 4:15pm<br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 20)<br>BPS 1234 |
| FC22 | Eric Johnson<br>Th 4:30pm - 5:45pm<br><i>Restricted to students in Freshmen Connection.</i>          | Seats (Total: 20)<br>PLS 1111 |

|      |   |                               |
|------|---|-------------------------------|
| FC23 | Denise McHugh<br>Th 6:00pm - 7:15pm<br><i>Restricted to students in Freshmen Connection.</i>      | Seats (Total: 20)<br>PLS 1115 |
| FC24 | TC Lloyd<br>Tu 3:00pm - 4:15pm<br><i>Restricted to students in Freshmen Connection.</i>           | Seats (Total: 20)<br>JMZ 1117 |
| FC25 | Sharon Vanwright<br>F 11:30am - 12:45pm<br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 20)<br>PLS 1119 |
| FC26 | Mary Kot-Jansen<br>Tu 3:00pm - 4:15pm<br><i>Restricted to students in Freshmen Connection.</i>    | Seats (Total: 20)<br>MTH 0104 |
| FC27 | Cait Bjellquist<br>Th 6:00pm - 7:15pm<br><i>Restricted to students in Freshmen Connection.</i>    | Seats (Total: 20)<br>JMZ 0120 |
| FC28 | Jordan Adams<br>F 11:30am - 12:45pm<br><i>Restricted to students in Freshmen Connection.</i>      | Seats (Total: 20)<br>PLS 1117 |
| FC29 | Glenn Smith<br>Tu 3:00pm - 4:15pm<br><i>Restricted to students in Freshmen Connection.</i>        | Seats (Total: 20)<br>JMZ 1120 |
| FC30 | Jamie Fry<br>Tu 7:30pm - 8:45pm<br><i>Restricted to students in Freshmen Connection.</i>          | Seats (Total: 20)<br>PLS 1115 |
| FC31 | Veronica Perrigan<br>F 11:30am - 12:45pm<br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 20)<br>CSI 3118 |
| FC32 | Jaime Oliver<br>Th 4:30pm - 5:45pm<br><i>Restricted to students in Freshmen Connection.</i>       | Seats (Total: 20)<br>JMZ 2120 |



|      |   |                               |
|------|---|-------------------------------|
| FC33 | Heather Arianna<br>Tu 3:00pm - 4:15pm<br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 20)<br>ASY 3221 |
| FC34 | Erik Hanson<br>Tu 3:00pm - 4:15pm<br><i>Restricted to students in Freshmen Connection.</i>      | Seats (Total: 20)<br>KEY 0121 |
| FC35 | Candace Daniels<br>F 11:30am - 12:45pm<br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 20)<br>EGR 3102 |
| FC36 | Victoria Shay<br>M 3:00pm - 4:15pm<br><i>Restricted to students in Freshmen Connection.</i>     | Seats (Total: 20)<br>PLS 1111 |
| FC37 | Carli Weldon<br>Th 6:00pm - 7:15pm<br><i>Restricted to students in Freshmen Connection.</i>     | Seats (Total: 20)<br>PLS 1111 |
| FC38 | Leah Grosse<br>Tu 3:00pm - 4:15pm<br><i>Restricted to students in Freshmen Connection.</i>      | Seats (Total: 20)<br>PHY 1204 |
| FC39 | Sarah Wilson<br>F 11:30am - 12:45pm<br><i>Restricted to students in Freshmen Connection.</i>    | Seats (Total: 20)<br>SYM 0215 |
| FC40 | Brandon Clark<br>W 3:00pm - 4:15pm<br><i>Restricted to students in Freshmen Connection.</i>     | Seats (Total: 20)<br>KNI 1103 |
| FC41 | Yali Pan<br>Tu 6:00pm - 7:15pm<br><i>Restricted to students in Freshmen Connection.</i>         | Seats (Total: 20)<br>PLS 1113 |
| FC42 | Alex Kalter<br>Tu 7:30pm - 8:45pm<br><i>Restricted to students in Freshmen Connection.</i>      | Seats (Total: 20)<br>JMZ 3203 |

|      |   |                               |
|------|---|-------------------------------|
| FC43 | Michael Brick<br>F 1:00pm - 2:15pm<br><i>Restricted to students in Freshmen Connection.</i>   | Seats (Total: 20)<br>ASY 3211 |
| FC44 | Erica Smith<br>Tu 3:00pm - 4:15pm<br><i>Restricted to students in Freshman Connection.</i>    | Seats (Total: 20)<br>JMZ 0120 |
| FC45 | Kimberly Bethke<br>W 6:00pm - 7:15pm<br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 20)<br>WDS 0104 |
| FC46 | Jill Goldstein<br>Th 7:30pm - 8:45pm<br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 20)<br>CHM 1224 |
| FC47 | Andrew Muir<br>Tu 3:00pm - 4:15pm<br><i>Restricted to students in Freshmen Connection.</i>    | Seats (Total: 20)<br>JMZ 0205 |
| FC48 | Mathew Shepard<br>F 1:00pm - 2:15pm<br><i>Restricted to students in Freshmen Connection.</i>  | Seats (Total: 20)<br>EDU 1315 |
| FC49 | Valerie Goubeau<br>F 1:00pm - 2:15pm<br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 20)<br>CHE 2145 |

## UNIV100V

### The Student in the University

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: EDCP1080 or UNIV100. Formerly: EDCP1080.*

*Introduces students to University life. In a small classroom setting, students will explore how to successfully bridge the gap between high school and college. Study skills, career decision-making, and student development processes will be explored.*

|   |                   |                   |
|---|-------------------|-------------------|
| 0101  | Tasha Vanterpool  | Seats (Total: 25) |
|   | M 3:30pm - 5:30pm | Location: TBA     |
| <i>This section is reserved for VETERANS ONLY. DD214 required for verification.</i> |                   |                   |

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## UNIV106      **The Transfer Student in the University**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be a first-semester Letters and Sciences transfer student. Credit only granted for: UNIV106 or EDCP108G.*

*For transfer students in Letters and Sciences. This course is designed to assist students in making a successful transition to the University of Maryland (UMD) and to serve as an extended orientation to campus living and learning.*

|      |                                     |                   |
|------|-------------------------------------|-------------------|
| 0101 | Melissa Hyre                        | Seats (Total: 20) |
|      | Tu 11:00am - 12:15pm                | WDS 0104          |
| 0201 | Jeffrey Kodis                       | Seats (Total: 20) |
|      | Th 2:00pm - 3:15pm                  | EGR 1110          |
| 0301 | Raquelle Contreras, Leslie Lindeman | Seats (Total: 20) |
|      | W 3:00pm - 4:15pm                   | BPS 1236          |

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## UNIV269      **Connecting Across Cultures**

Credits: 1                      Grading Method: Regular,                      General Education: DVCC  
Pass-Fail, Audit

*An examination of culture to guide study abroad students through the stages of cross cultural adjustment and to promote cultural competency by providing the motivation, knowledge and skills necessary to work with diverse individuals and teams.*

**Contact department for information to register for this course.**

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## UNIV269A      **Connecting Across Cultures; Cultural Realities of Spain**

Credits: 1                      Grading Method: Regular,                      General Education: DVCC  
Pass-Fail, Audit

*An examination of culture to guide study abroad students through the stages of cross cultural adjustment and to promote cultural competency by providing the motivation, knowledge and skills necessary to work with diverse individuals and teams.*

**Contact department for information to register for this course.**

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**UNIV325****Beyond the Classroom Seminar I: Civic Engagement and Social Change in a Global Context**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP

*Restriction: Must be in the Beyond the Classroom (BTC) living and learning program.*

*Develops and applies the concept of civic engagement and strategies for enhancing civic engagement and advancing social justice in different contexts (global to local; multi-cultural). Develop students' leadership capacities and skills for fostering civil discourse and effective professional practices in the nonprofit and civil society sector. Students identify the key civic values, attitudes and expectations that motivate them personally as well as others to engage in civic action and leadership. Students prepare professional portfolios in preparation of a semester-long internship.*

Restricted to students in Beyond the Classroom (BTC) living and learning program. Development of effective written and oral communication skills for a variety of constituents.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | James Riker        | Seats (Total: 40) |
|      | Tu 3:30pm - 6:00pm | SCC 1102          |
| 0201 | James Riker        | Seats (Total: 40) |
|      | W 3:30pm - 6:00pm  | SCC 1102          |

**UNIV326****Beyond the Classroom Seminar II**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: UNIV325. Restriction: Must be in the Beyond the Classroom (BTC) living and learning program.*

*Seminar for students in internships and service-learning experiences as context for applying communication skills and knowledge of civic engagement leadership skills first introduced in UNIV325. Must be taken concurrently with experiential learning practicum.*

|      |                            |                   |
|------|----------------------------|-------------------|
| 0201 | Melissa Del Rios           | Seats (Total: 15) |
|      | Class time/details on ELMs | ONLINE            |

**UNIV378****Beyond the Classroom Experiential Learning; Beyond Classroom Experiential Learning**

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*This is the internship component of the Beyond the Classroom program in which students hold internships at organizations such as governmental units and non-profit agencies.*

|   |             |                   |
|---|-------------|-------------------|
| 0101  | James Riker | Seats (Total: 15) |
| Contact instructor or department for details. |             |                   |

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**UNIV389A Special Topics in Undergraduate Studies; Army ROTC Independent Study Projects**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Courses will focus on interdisciplinary topics and will be planned in cooperation with Undergraduate Studies.*

|   |             |                   |
|---|-------------|-------------------|
| 0101  | Larry Rentz | Seats (Total: 20) |
| Contact instructor or department for details. |             |                   |

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**UNIV389J Special Topics in Undergraduate Studies; Federal Independent Study Projects**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Courses will focus on interdisciplinary topics and will be planned in cooperation with Undergraduate Studies.*

Prerequisite: Permission of instructor.

|   |             |                   |
|---|-------------|-------------------|
| 0101  | Joan Burton | Seats (Total: 25) |
| Contact instructor or department for details. |             |                   |
| 0201  | Joan Burton | Seats (Total: 25) |
| Contact instructor or department for details. |             |                   |

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**UNIV389L Special Topics in Undergraduate Studies; BTC Seminar III, Civic Leadership for Community Engagement**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Courses will focus on interdisciplinary topics and will be planned in cooperation with Undergraduate Studies.*

Prerequisite: UNIV325 and UNIV326.

|   |             |                   |
|---|-------------|-------------------|
| 0101  | James Riker | Seats (Total: 20) |
| Contact instructor or department for details. |             |                   |

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**UNIV399 Experiential Learning in Undergraduate Studies**

Credits: 1-3                      Grading Method: Regular

*Experiential learning offered in conjunction with certain designated Office of Undergraduate Studies programs.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Douglas Roberts                               | Seats (Total: 1)  |
|      | Contact instructor or department for details. |                   |
| 0201 | Joan Burton                                   | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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**UNIV399C      Experiential Learning in Undergraduate Studies; Ensuring a World Fit for Children? Rethinking Our Civic Responsibilities**

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Experiential learning offered in conjunction with certain designated Office of Undergraduate Studies programs.*

Students will explore the status of children (i.e., standards of living) and the key challenges (i.e., education, health, homelessness, poverty, war and conflict) they face in around the world the 21st Century. What prospects do children born today face and what is required to ensure a world fit for children? What is the civic responsibility of citizens, government and society to address these challenges and improve the opportunities for all children? How can the international community strengthen its commitment to children's welfare, well-being, and life opportunities around the world? The seminar will highlight promising strategies for improving children's well-being in the United States, Europe, the Middle East and the developing world. The seminar will draw directly on the perspectives of leading nonprofit and civil society leaders through formal presentations and documentary films to identify possible policies and practices that will ensure a world fit for children.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | James Riker       | Seats (Total: 40) |
|      | M 7:00pm - 9:00pm | SCC 1102          |

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**UNIV399Z      Experiential Learning in Undergraduate Studies; Rethink Human Security: Beyond the Immigration and the Refugee Crises**

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Experiential learning offered in conjunction with certain designated Office of Undergraduate Studies programs.*

Due to conflict, environmental disasters, and economic, people around the world are now confronting a world without citizenship. This seminar will explore the possibilities for promising solutions for enhancing human security and citizenship by 2030. Drawing on examples from around the world, students will examine the dynamics for local and global civic action in addressing the immigration and refugee around the world. This seminar series will draw on the professional insights and perspectives of civil society and government leaders as well as documentary films to explore these pressing issues

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | James Riker       | Seats (Total: 40) |
|      | W 7:00pm - 9:00pm | SCC 1102          |

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## URSP      Urban Studies and Planning      Fall 2017

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### URSP250      The Sustainable City: Exploring Opportunities and Challenges

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: IE      General Education: DSSP, SCIS

*An exploration, through an interdisciplinary approach, of a number of issues related to making cities more sustainable in terms of environmental protection, economic opportunity, and social justice. The course assist students to develop skills in critical analysis and systems thinking and to use those skills in analyzing sustainability related problems and potential solutions, and to expand students' understanding of the political implications of crafting and moving towards a sustainable urban future.*

|      |                    |                          |
|------|--------------------|--------------------------|
| 0101 | Marccus Hendricks  | Seats (Total: 33)        |
|      | M 9:30am - 10:45am | ARC 0204                 |
|      | W 9:30am - 10:45am | ARC 1101      Discussion |
| 0102 | Marccus Hendricks  | Seats (Total: 33)        |
|      | M 9:30am - 10:45am | ARC 0204                 |
|      | W 9:30am - 10:45am | ARC 1105      Discussion |
| 0103 | Marccus Hendricks  | Seats (Total: 33)        |
|      | M 9:30am - 10:45am | ARC 0204                 |
|      | W 9:30am - 10:45am | ARC 1103      Discussion |

### URSP399I      Independent Study

(Perm req)

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Directed research and study of selected aspects of urban affairs.*

**Contact department for information to register for this course.**

### URSP601      Research Methods

(Perm req)

Credits: 3      Grading Method: Regular, Audit

*Recommended: An undergraduate-level statistics course; and familiarity with Microsoft Excel. Formerly: URBS601.*

*Use of measurement, statistics, quantitative analysis, and micro-computers in urban studies and planning.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Casey Dawkins     | Seats (Total: 15) |
|      | W 7:00pm - 9:40pm | ARC 1115          |

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**URSP603      Land Use Planning: Concepts and Techniques**

Credits: 3                      Grading Method: Regular,  
   Audit

*Credit only granted for: URSP603, URBS680, or URBS603. Formerly: URBS603.*

*Land use concepts and definitions: legal context for planning; markets and planning; planning for housing; community services, employment, utilities, and transportation; zoning; subdivision regulations; growth management; plan implementation.*

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|------|--------------------|-------------------|
| 0101 | Denis Superczynski | Seats (Total: 20) |
|      | M 7:00pm - 9:40pm  | ARC 1105          |

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**URSP605      Planning History and Theory**

Credits: 3                      Grading Method: Regular,  
   Audit

*Examination of key, selected major events and issues in U.S. planning history and the development of the [planning profession; exploration of major themes in planning theory and practical applications of them; and analysis of the relationship of history and theory.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Ariel Bierbaum     | Seats (Total: 28) |
|      | Tu 4:00pm - 6:40pm | ARC 1105          |

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**URSP606      Planning Economics**

Credits: 3                      Grading Method: Regular

*Restriction: Must not have completed URSP630. Credit only granted for: URSP606, URBS606, or URBS630. Formerly: URBS606.*

*Resource allocation in a market economy, the nature of market failures, and the justifications for public sector intervention. The limits and possibilities for planning in a market economy.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Chengri Ding      | Seats (Total: 15) |
|      | M 4:00pm - 6:30pm | ARC 1119          |

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## Recent Developments in Urban Studies; Planning Technology

*Examination of selected current aspects of urban affairs and planning, including, for example, in the United States or neighborhood preservation in Russia. Location of course may be off-campus.*

An introduction to technologies that are vital for contemporary planners. With a strong emphasis on practical skills, the course will provide students with fundamental concepts, hands-on experience and real-world applications of such urban planning technologies as web publishing and tools, search engine optimization, blogs, Twitter and social networking, Geographic Information Systems (GIS), data visualization, 3D modeling, mash-ups, digital design tools, web surveys, photo/video sharing (web/video conferencing), and crowdsourcing

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Chao Liu           | Seats (Total: 20) |
|      | Tu 7:00pm - 9:40pm | ARC 0111          |

## Recent Developments in Urban Studies; Urban Transportation Planning and Policy

*Examination of selected current aspects of urban affairs and planning, including, for example, in the United States or neighborhood preservation in Russia. Location of course may be off-campus.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Hiroyuki Iseki    | Seats (Total: 15) |
|      | W 4:00pm - 6:40pm | ARC 1115          |

## Recent Developments in Urban Studies; Planning, Policy, and Public Education

*Examination of selected current aspects of urban affairs and planning, including, for example, in the United States or neighborhood preservation in Russia. Location of course may be off-campus.*

This course explores the historical and contemporary interrelationships among metropolitan policy, planning practice, and public education. The course engages interdisciplinary scholarship, case studies, and guest speakers. It examines issues such as: school, neighborhood, and metropolitan segregation; schools as centers of community; school siting and land use; school facility planning and management; school transportation; education reform and school choice; school closures.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Ariel Bierbaum    | Seats (Total: 15) |
|      | W 7:00pm - 9:40pm | ARC 1119          |

## Recent Developments in Urban Studies; Planning & Design in the Multicultural Metropolis

*Examination of selected current aspects of urban affairs and planning, including, for example, in the United States or neighborhood preservation in Russia. Location of course may be off-campus.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Willow Lung Amam  | Seats (Total: 20) |
|      | W 4:00pm - 6:30pm | ARC 1119          |

## Community Planning Studio

*The Community Planning Studio is a "capstone" course intended to provide students with an opportunity to apply their knowledge and skills to analyze current, pressing planning issues, in a selected community and to produce a report containing recommendations for addressing those issues. In essence, students act as a consulting team for a community client.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Leland Edgecombe   | Seats (Total: 12) |
|      | Tu 7:00pm - 9:40pm | ARC 1119          |
|      | Th 4:00pm - 6:30pm | ARC 1119          |

## Field Instruction

*Students will satisfy a 300-hour internship (20 hours for 15 weeks during the spring, 25 hours a week for 12 weeks during the summer). Suitable internships are approved by the Internship Coordinator or Instructor; they involve a significant amount of planning work (preferably in the student's area of interest) and provide an appropriate on-site supervisor. The Internship Coordinator will assist students in finding a suitable internship, but the ultimate responsibility rests with each student. Whether the internship is paid or not is a matter to be worked out between the student and the organization.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Casey Dawkins                                 | Seats (Total: 20) |
|      | Contact instructor or department for details. |                   |

## Research Seminar: Urban Theory and Issues

*Prerequisite: 15 credits in URSP courses. Restriction: Must be in Urban and Regional Planning and Design (Doctoral) program. Formerly: URBS710.*

*An advanced research seminar for M.A. and M.C.P. students preparing their final research projects.*

|      |   |                   |
|------|---|-------------------|
| 0101 | Instructor: TBA                               | Seats (Total: 10) |
|      | Contact instructor or department for details. |                   |

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**URSP788 Independent Study in Urban Studies and Planning**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

*Directed research and study of selected aspects of urban affairs.*

**Contact department for information to register for this course.**

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**URSP798 Readings in Urban Studies and Planning**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

*Directed readings in selected aspects of urban affairs and planning.*

**Contact department for information to register for this course.**

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**URSP799 Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**URSP810 Contemporary Metropolitan Issues**

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in Urban and Regional Planning and Design (Doctoral) program.*

*Introduces Ph.D. students to current metropolitan issues. Focus is on the historical development of the issue, problem definition, methodological approaches to its study, methodological dilemmas, and the ways that different conclusions are translated into policy. Topics vary from semester to semester but include such topics as the spatial mismatch hypothesis, the impact of urban design and form on travel behavior, the impact of technology on urban form, the justification for historic preservation, and sustainable development.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Gerrit Knaap      | Seats (Total: 10) |
|      | M 1:00pm - 3:40pm | ARC 1119          |

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**URSP898 Pre-Candidacy Research**

Credits: 1-8      Grading Method: Sat-Fail

*Selected topics in Urban Studies and Planning. Topics will vary with the instructor.*

**Contact department for information to register for this course.**

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**URSP899      Doctoral Dissertation Research**

(Perm req)

Credits: 6                      Grading Method: Sat-Fail

*This course is a required course for the Ph.D program in Urban and Regional Planning and Design.*

**Contact department for information to register for this course.**

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**USLT      Latina/o Studies**

**Fall 2017**

*Please visit <http://amst.umd.edu/programs/course/> for more course information.*

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**USLT201      U.S. Latina/o Studies I: An Historical Overview to the 1960's**

Credits: 3                      Grading Method: Regular,                      CORE: SH, D  
Pass-Fail, Audit

*Interdisciplinary course focusing on demographics, terminology and social constructs of race, class, ethnicity, indigeneity, gender, and sexuality associated with the historical and political roots of US Latinidades. Examines the formation, evolution and adaptation of US Latina/o communities as critical field of inquiry.*

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Perla Guerrero         | Seats (Total: 35) |
|      | TuTh 11:00am - 12:15pm | SQH 1103          |

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**USLT318C      Topics in U.S. Latina/o; Forging the Tortilla Curtain: US-Mexico Borderlands History, 1800-Present**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics in U.S. Latina/o Studies*

Also offered as USLT318C. Credit granted for HIST328A or USLT318C. The historical roots of the U.S.-Mexico border and borderlands landscape, 1800-present. Emphasis on the creation and militarization of the U.S.-MX border, the effects of border-making and free-enterprise on borderlands society, the development of U.S. immigration policy at the U.S.-MX border, the challenges of globalization, and the Mexican migration experience.

|      |                        |                   |
|------|------------------------|-------------------|
| 0101 | Chantel Rodriguez      | Seats (Total: 40) |
|      | TuTh 11:00am - 12:15pm | KEY 0126          |

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**USLT318D      Topics in U.S. Latina/o; Latinidad: History, Race, Ethnicity, Gender and Place Across the Life Course**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topics in U.S. Latina/o Studies*

Also offered as WMST379D. Credit granted for USLT318D or WMST379D. As of 2012, Hispanics and Latinos make up about 17% of the total U.S. population. Significant within group differences exist by national origin, place of birth, socioeconomic status in country of origin, racial phenotype, and educational attainment of family of origin. In this course, students will become informed on the historicity and heterogeneity within and among Latino subgroups by gender, race, nativity and class; become familiar with the contemporary theoretical discourse on understanding the social location of Latino/Hispanic subgroups including diasporic immigration patterns; and, critically analyze and understand the interplay of ethnicity, race, gender and class in formation and civic and political participation.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Ruth Zambrana       | Seats (Total: 30) |
|      | F 10:00am - 12:30pm | SQH 1117          |

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**USLT319A      Special Topics in U.S. Latina/o; Afro-Latinx Diasporas**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special Topics in U.S. Latina/o Studies*

Also offered as AMST328E. Credit granted for USLT319A or AMST328E. Students will examine the history of the African diaspora and the Afro-Latinx populations in the United States. Explores transnational migrations, comparative slave systems, labor, community formation, gender, sexuality, popular culture, and the changing meanings of blackness and latinidad.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Nancy Mirabal       | Seats (Total: 15) |
|      | MWF 2:00pm - 2:50pm | TWS 0134          |

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**USLT369A      Special Topics in Study Abroad III; Thinking in Andalusian: The Antonio Machado Family of Seville**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**USLT418C      Advanced Topics in U.S. Latina/o; Central American Diasporas**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special Topics in U.S. Latina/o Studies*

Also offered as USLT418C. Credit granted for SPAN408R or USLT418C. Focus is placed on Central American Diasporas in the context of modern Central American societies, histories, (geo)politics, social and revolutionary movements, and cultural and literary production. It offers students an opportunity to learn more about Central America and its diasporic communities within and beyond the isthmus. Located between oceans, continents, and worldviews, the Central American isthmus has been a site of dispersion and cross-pollination of flora, fauna, peoples, cultures, and stories within and outside of the region. Covering El Salvador, Guatemala, Nicaragua, Honduras, Costa Rica, Panama, Belize, and their translocations, we will study representative Central American texts and critical diasporic literature in relation to exile, (im)migration, war, genocide, violence, transnationalism, globalization, among other topics.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Ana Rodriguez        | Seats (Total: 25) |
|      | TuTh 3:30pm - 4:45pm | JMZ 3120          |

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**USLT498D      US Latina/o Studies: Special Topics; Central Americans and the United States: Culture, Politics, and Community**

Credits: 3                      Grading Method: Regular

*Specific content to be announced when courses are offered.*

Also offered as AMST498C. Credit granted for USLT498D or AMST498C.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Robert Chester       | Seats (Total: 25) |
|      | TuTh 2:00pm - 3:15pm | TWS 0134          |

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**USLT498N      US Latina/o Studies: Special Topics; Globalization and the Diversifying US**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Specific content to be announced when courses are offered.*

Also offered as AMST498W and IMMR419J. Credit granted for USLT498N, AMST498W, or IMMR419J. Prerequisite: At least three credit hours of prior coursework in AMST.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Perla Guerrero        | Seats (Total: 35) |
|      | TuTh 9:30am - 10:45am | SQH 1101          |

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**VMSC      Veterinary Medical Sciences      Fall 2017**

**VMSC610      Recombinant Viral Vectors**

Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Permission of instructor.*

*A comprehensive presentation of information on the molecular biology of the most relevant viral vectors developed to date and give insight on vector construction, purification and utilization. Also intended for students in virology and related fields as well as to those interested in the application of viral vectors to basic research.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Georgiy Belov      | Seats (Total: 10) |
|      | W 11:00am - 1:30pm | Location: TBA     |

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**VMSC688A      Special Topics in Veterinary Medical Sciences; Protein Molecular Modeling Methods**

Credits: 3                      Grading Method: Regular

*Lectures and discussions on current topics in veterinary medicine such as animal disease surveillance, risk analysis, molecular epidemiology or fish pathology. Targeted at veterinary medicine (DVM) students and other graduate students with a background in veterinary medical sciences.*

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | John Patton         | Seats (Total: 20) |
|      | MW 9:00am - 10:15am | Location: TBA     |

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**VMSC689      Use of Genomics and Proteomics in Infectious Disease**

Credits: 3                      Grading Method: Regular,  
Audit

*Focus is placed on current biotechnological development and recent research breakthroughs in the field of genomics and proteomics as it relates to infectious disease and drug/vaccine development.*

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|------|--------------------------|-------------------|
| 0101 | Utpal Pal, Daniel Nelson | Seats (Total: 15) |
|      | F 1:00pm - 4:00pm        | Location: TBA     |

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**VMSC698      Seminar in Veterinary Medical Science**

Credits: 1-3                      Grading Method: Regular

*Presentation and discussion of scientific publications, current topics and new methodologies related to veterinary medical sciences.*

Class will meet in 1216 Gudelsky Building.

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Shin-Hee Kim         | Seats (Total: 20) |
|      | Th 11:00am - 12:00pm | GVC 1216          |

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**VMSC699      Special Problems in Veterinary Medical Sciences**

Credits: 1-4                      Grading Method: Regular

*Independent study of a specific problem related to veterinary medicine such as a disease outbreak, application of a new diagnostic test or a risk analysis related to animal health. Targeted at veterinary medicine (DVM) students and other graduate students with a background in veterinary medicine.*

**Contact department for information to register for this course.**

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**VMSC700      Animal Health Policy and Communication**

Credits: 3                      Grading Method: Regular,  
   Audit

*Recommended: ANSC225 and ANSC340. Restriction: Must be in a major in AGNR-VA-MD Regional Col Veterinary Med; or must be in a major within the AGNR-Animal & Avian Sciences department; or must be in a major in PUAFA-School of Public Policy; or permission of AGNR-VA-MD Regional Col Veterinary Med.*

*An introduction to animal health policy with emphasis on understanding how science and politics interact and influence animal health policy and how veterinarians and animal scientists can effectively communicate science to non-scientists such as legislators and policymakers.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Nathaniel Tablante   | Seats (Total: 10) |
|      | TuTh 8:00am - 9:15am | ANS 0412          |

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**VMSC760      Immunology of Infectious Diseases**

Credits: 3                      Grading Method: Regular,  
   Audit

*An advanced graduate level course that focuses on the cutting-edge knowledge of immunity and recent research breakthroughs in the interactions between host immune system and infectious pathogen, and vaccine development*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Meiqing Shi          | Seats (Total: 25) |
|      | TuTh 1:45pm - 3:00pm | PLS 1115          |

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**VMSC780      Parasites of Medical and Veterinary Importance**

(Perm req)                      Credits: 2                      Grading Method: Regular

*Restriction: Permission of instructor.*

*Provides students with the basic knowledge of parasites as well as research advancement in important parasites of humans and animals. Particular attention will be given to parasite biology, pathogenesis, and host responses to parasitic infection. A selection of parasites of medical and veterinary importance will be specifically covered with emphasis on recent research breakthroughs in the field.*

**Contact department for information to register for this course.**

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**VMSC799****Thesis Research**

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.****VMSC898****Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.****VMSC899****Dissertation Research**

(Perm req)

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.****WMST****Women's Studies****Fall 2017****WMST200****Introduction to Women's Studies: Women and Society**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB, D      General Education: DSHS, DVUP

*An interdisciplinary study of the status, roles, and experiences of women in society. Sources from a variety of fields such as literature, psychology, history, and anthropology, focusing on the writings of women.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Tangere Hoagland      | Seats (Total: 25) |
|      | TuTh 8:00am - 9:15am  | WDS 1130          |
| 0201 | Tangere Hoagland      | Seats (Total: 25) |
|      | TuTh 12:30pm - 1:45pm | TLF 1101          |
| 0301 | Jocelyn Coates        | Seats (Total: 25) |
|      | MWF 2:00pm - 2:50pm   | TWS 0236          |

**WMST250****Introduction to Women's Studies: Women, Art and Culture**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HA, D      General Education: DSHU, DVUP

*An examination of women's creative powers as expressed in selected examples of music, film, art, drama, poetry, fiction, and other literature. Explores women's creativity in relation to families, religion, education, ethnicity, class, sexuality, and within a cultural tradition shaped by women.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0201 | Clara Montague        | Seats (Total: 25) |
|      | TuTh 12:30pm - 1:45pm | JMZ 0125          |

|      |   |   |            |
|------|---|---|------------|
| 0301 | Clara Montague<br>TuTh 9:30am - 10:45am   | Seats (Total: 25)<br>WDS 1130             |            |
| 0401 | Cara Snyder<br>TuTh 2:00pm - 3:15pm   | Seats (Total: 25)<br>SYM 0209             |            |
| 0501 | Cara Snyder<br>TuTh 11:00am - 12:15pm   | Seats (Total: 25)<br>ASY 3203             |            |
| 0701 | Nat Baldino<br>MWF 11:00am - 11:50am  | Seats (Total: 25)<br>WDS 0104             |            |
| 0801 | Melissa Stevens<br>MWF 12:00pm - 12:50pm  | Seats (Total: 25)<br>TYD 2110             |            |
| 1001 | Melissa Stevens<br>MWF 10:00am - 10:50am  | Seats (Total: 25)<br>TYD 2110             |            |
| 1301 | Michele Prince<br>TuTh 5:00pm - 6:15pm  | Seats (Total: 45)<br>KEY 0116             |            |
| 1401 | Michelle Rowley<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am                                    | Seats (Total: 20)<br>LEF 2166<br>PLS 1113 | Discussion |
| 1402 | Michelle Rowley<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am                                    | Seats (Total: 20)<br>LEF 2166<br>PLS 1117 | Discussion |
| 1403 | Michelle Rowley<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am                                    | Seats (Total: 20)<br>LEF 2166<br>PHY 0405 | Discussion |
| FC01 | Justin Sprague<br>MW 7:30pm - 8:45pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 25)<br>KEY 0120             |            |
| FC02 | Donnesha Blake<br>MW 3:00pm - 4:15pm<br><br><i>Restricted to students in Freshmen Connection.</i> | Seats (Total: 25)<br>JMZ 1124             |            |

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**WMST255      Reading Women Writing**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: HL, D                      General Education: DSHU,  
DVUP

*Also offered as: ENGL250. Credit only granted for: WMST255 or ENGL250.*

*Explores literary and cultural expressions by women and their receptions within a range of historical periods and genres. Topics such as what does a woman need in order to write, what role does gender play in the production, consumption, and interpretation of texts, and to what extent do women comprise a distinct literary subculture. Interpretation of texts will be guided by feminist and gender theory, ways of reading that have emerged as important to literary studies over the last four decades.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0201 | Lindsey O'Neil        | Seats (Total: 30) |
|      | TuTh 12:30pm - 1:45pm | KEY 0125          |

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**WMST265      Constructions of Manhood and Womanhood in the Black Community**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: HO, D                      General Education: DSHS,  
DVUP

*Investigates the ways that African Americans are represented and constructed in public and private spheres and explores the social constructions and representations of Black manhood and womanhood from various disciplinary perspectives.*

Also offered as AASP298B. Credit only granted for AASP298B or WMST265. Investigates the ways that African Americans are represented and constructed in public and private spheres and explores the social constructions and representations of Black manhood and womanhood from various disciplinary perspectives.

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Donnesha Blake    | Seats (Total: 30) |
|      | W 6:00pm - 8:30pm | JMZ 0103          |

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**WMST269G      Special Topics in Study Abroad II; Topics on Gender Studies**

Credits: 1-6                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**WMST269I      Special Topics in Study Abroad II; Social Problems: Women's Issues (In Indian Society)**

Credits: 1-6                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**WMST269W      Special Topics in Study Abroad II; Social Problems: Women's Issues Field Study**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**WMST275      World Literature by Women**

Credits: 3                      Grading Method: Regular,                      CORE: HL, D                      General Education: DSHU,  
Pass-Fail, Audit                      DVUP

*Also offered as: CMLT275. Credit only granted for: WMST275 or CMLT275.*

*Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0201 | Emilee Durand        | Seats (Total: 30) |
|      | MW 2:00pm - 3:15pm   | KEY 0102          |
| 0301 | Nataliya Pratsovyta  | Seats (Total: 30) |
|      | TuTh 5:00pm - 6:15pm | KEY 0102          |

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**WMST298L      Special Topics in Women's Studies; History of Sexuality in America**

Credits: 3                      Grading Method: Regular,                      General Education: DSHS  
Pass-Fail, Audit

*Also offered as HIST213. Credit only granted for: HIST213, HIST219O, or WMST298L. Formerly: HIST219O. Explores the social construction of sexualities from the first colonial settlement to the modern era in the United States. Analyzes the implications of these understandings for power relations in U.S history.*

|      |                      |  |
|------|----------------------|--|
| 0101 | Clare Lyons          | Seats (Total: 20)                        |
|      | MW 12:00pm - 12:50pm | SQH 1120                                 |
|      | W 1:00pm - 1:50pm    | KEY 0121                      Discussion |
| 0102 | Clare Lyons          | Seats (Total: 20)                        |
|      | MW 12:00pm - 12:50pm | SQH 1120                                 |
|      | W 2:00pm - 2:50pm    | KEY 0121                      Discussion |

|      |                      |                   |            |
|------|----------------------|-------------------|------------|
| 0103 | Clare Lyons          | Seats (Total: 20) |            |
|      | MW 12:00pm - 12:50pm | SQH 1120          |            |
|      | F 10:00am - 10:50am  | TLF 2103          | Discussion |
| 0104 | Clare Lyons          | Seats (Total: 20) |            |
|      | MW 12:00pm - 12:50pm | SQH 1120          |            |
|      | F 11:00am - 11:50am  | TLF 2103          | Discussion |

### WMST300 Feminist Reconceptualizations of Knowledge

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of ARHU-Women's Studies department; and must be in Women's Studies program.*

*An examination of how the interdisciplinary study of women and gender has generated new questions, challenged traditional methodologies and offered insights on the ways we come to learn, know, and teach. Explores the impact of feminist thinking on various disciplines.*

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 0101 | Catherine Schuler  | Seats (Total: 15) |  |
|      | Tu 3:30pm - 6:00pm | WDS 2101R         |  |

### WMST314 Black Women in United States History

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Sophomore standing or higher. Also offered as: AASP313. Credit only granted for: AASP313, AASP498W, HIST329E, WMST314, or WMST498N. Formerly: WMST498N.*

*Black American women's history from slavery to the present. Focused on gaining a fuller understanding of the effect of race, class and gender on the life cycles and multiple roles of Black women as mothers, daughters, wives, workers and social-change agents.*

Also offered as AASP313 and HIST329E. Credit granted for AASP313, WMST314 and HIST329E.

|      |                    |                   |  |
|------|--------------------|-------------------|--|
| 0101 | Elsa Barkley Brown | Seats (Total: 35) |  |
|      | M 6:00pm - 8:30pm  | KEY 0103          |  |

### WMST319B Workshops in Women's Studies; Feminists Think, Act, Challenge

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics courses with emphasis on interdisciplinary and collaborative approaches.*

Explores genealogies of feminist thinkers and activists from diverse groups of women of color, including Native American, Asian American, Chicana, and Black feminists. Building on their achievements and histories, students will articulate ways to create new feminist movements for our time, thinking, acting, and challenging state sponsored regimes of terror and oppression.

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Sina Lee           | Seats (Total: 20) |
|      | MW 3:00pm - 4:15pm | TWS 1321          |

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### WMST336 **Psychology of Women**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit, D      General Education: DSHS

*Prerequisite: PSYC100. Also offered as: PSYC336. Credit only granted for: PSYC336 or WMST336.*

*A study of the biology, life span development, socialization, personality, mental health, and special issues of women.*

Restricted to undergraduate PSYC students or WMST students only.

|      |                      |                    |
|------|----------------------|--------------------|
| 0101 | Elizabeth Sauber     | Seats (Total: 110) |
|      | MW 12:00pm - 12:50pm | BPS 1250           |
|      | F 12:00pm - 12:50pm  | ONLINE             |

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### WMST350 **Feminist Pedagogy**

(Perm req)

Credits: 6      Grading Method: Regular, Pass-Fail, Audit

*Restriction: Permission of ARHU-Women's Studies department.*

*General application of feminist methodology to teaching and communication skills, teaching strategies, motivation, classroom dynamics and knowledge of students' development and learning styles.*

**Contact department for information to register for this course.**

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### WMST369G **Special Topics in Study Abroad III; Gender and Post Socialist Transformation in Central Europe**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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### WMST369L **Special Topics in Study Abroad III; Women and Society: Latin American Perspectives**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**WMST379A Topics in Women's Studies; Honors Thesis Writing I**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Thematic exploration of a topic in women's studies.*

|   |                 |                  |
|---|-----------------|------------------|
| 0101  | Michelle Rowley | Seats (Total: 1) |
| Contact instructor or department for details. |                 |                  |

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**WMST379B Topics in Women's Studies; Honors Thesis Writing II**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Thematic exploration of a topic in women's studies.*

|   |                 |                  |
|---|-----------------|------------------|
| 0101  | Instructor: TBA | Seats (Total: 1) |
| Contact instructor or department for details. |                 |                  |

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**WMST379D Topics in Women's Studies; Latinidad: History, Race, Ethnicity, Gender and Place Across the Life Course**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Thematic exploration of a topic in women's studies.*

Also offered as USLT318D. Credit granted for USLT318D or WMST379D. As of 2012, Hispanics and Latinos make up about 17% of the total U.S. population. Significant within group differences exist by national origin, place of birth, socioeconomic status in country of origin, racial phenotype, and educational attainment of family of origin. In this course, students will become informed on the historicity and heterogeneity within and among Latino subgroups by gender, race, nativity and class; become familiar with the contemporary theoretical discourse on understanding the social location of Latino/Hispanic subgroups including diasporic immigration patterns; and, critically analyze and understand the interplay of ethnicity, race, gender and class in formation and civic and political participation.

|      |                     |                   |
|------|---------------------|-------------------|
| 0101 | Ruth Zambrana       | Seats (Total: 30) |
|      | F 10:00am - 12:30pm | SQH 1117          |

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**WMST386 Experiential Learning**

(Perm req)

Credits: 1-6

Grading Method: Regular,  
Pass-Fail

*Restriction: Must have Learning Proposal approved by Women's Studies Academic Advisor; and junior standing or higher.*

**Contact department for information to register for this course.**

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**WMST400**

**Theories of Feminism**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course in WMST; or must have completed a course cross-listed with a WMST course.*

*A study of the multiplicity of feminist theories which have been developed to explain women's position in the family, the workplace, and society. Major feminist writings are considered in the context of their historical moment and in the context of the intellectual traditions to which they relate.*

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Justin Sprague        | Seats (Total: 30) |
|      | TuTh 9:30am - 10:45am | ARC 1103          |

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**WMST452**

**Women in the Media**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit, D

General Education: DVUP

*Also offered as: JOUR452. Credit only granted for: JOUR452 or WMST452.*

*Participation and portrayal of women in the mass media from colonial to contemporary times.*

|      |                      |                   |
|------|----------------------|-------------------|
| 0101 | Renee Poussaint      | Seats (Total: 30) |
|      | TuTh 5:00pm - 6:15pm | KNI 3202          |

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**WMST456**

**Women and Society in the Middle East**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Recommended: Prior coursework in Middle East studies or gender studies. Also offered as: HIST492. Credit only granted for: HIST492 or WMST456.*

*Examines the customs, values and institutions that have shaped women's experience in the Middle East in the past and in the contemporary Middle East.*

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|------|--------------------|-------------------|
| 0101 | Madeline Zilfi     | Seats (Total: 15) |
|      | Th 3:30pm - 6:00pm | TLF 2103          |

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**WMST471****Women's Health**

Credits: 3                      Grading Method: Regular, , D  
    Audit

*Restriction: Must be in a major within ARHU-Women's Studies department; or must be in a major within SPHL-Behavioral & Community Health department. Also offered as: HLTH471. Credit only granted for: HLTH471 or WMST471.*

*The women's health movement from the perspective of consumerism and feminism. The physician-patient relationship in the gynecological and other medical settings. The gynecological exam, gynecological problems, contraception, abortion, pregnancy, breast and cervical cancer and surgical procedures. Psychological aspects of gynecological concerns.*

Also offered as: HLTH471H.

|      |                       |                   |
|------|-----------------------|-------------------|
| 0101 | Kirsten Stoebenau     | Seats (Total: 30) |
|      | MWF 10:00am - 10:50am | SPH 1303          |
| 0201 | Kirsten Stoebenau     | Seats (Total: 40) |
|      | MWF 10:00am - 10:50am | SPH 1303          |

**WMST488L****Senior Seminar; From Lenin to Pussy Riot: Gendering Post Soviet Russia**

(Perm req)

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Seminar for advanced majors in women's studies or other students with appropriate preparation. Interdisciplinary topics will vary each semester.*

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Catherine Schuler  | Seats (Total: 14) |
|      | Th 3:30pm - 6:00pm | WDS 2101R         |

**WMST498A****Advanced Special Topics in Women's Studies; Community Interventions: Domestic Violence**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | Karen O'Brien      | Seats (Total: 35) |
|      | MW 8:00am - 9:15am | PLS 1111          |

**WMST498L****Advanced Special Topics in Women's Studies; Women in Israel**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

**Contact department for information to register for this course.**

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**WMST499****Independent Study**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail

*Research and writing or specific readings on a topic selected by the student and supervised by a faculty member of the Women's Studies Department.*

**Contact department for information to register for this course.**

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**WMST601****Approaches to Women's Studies I**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: WMST400; or students who have taken courses with comparable content may contact the department.*

*Examines two fundamental concepts in women's studies: intersectionality and interdisciplinarity. Looks at how feminisms have shaped and been shaped by knowledge-production within and across disciplinary boundaries, cultures, and paradigms. Develops an appreciation of intersectional theory as a critical research tool and as a set of responses to issues of power, domination, oppression and other loci of difference.*

|      |                   |                   |
|------|-------------------|-------------------|
| 0101 | Alexis Lothian    | Seats (Total: 15) |
|      | W 6:00pm - 8:30pm | WDS 2101R         |

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**WMST618****Feminist Pedagogy**

(Perm req)

Credits: 3

Grading Method: Regular

*Examines the higher education classroom from a feminist perspective through theory and analysis. Students are graduate teaching assistants with the Women's Studies department.*

Prerequisite: permission of department. For WMST major only.

|      |   |                  |
|------|---|------------------|
| 0101 | Michelle Rowley                               | Seats (Total: 4) |
|      | Contact instructor or department for details. |                  |
|      | Contact instructor or department for details. |                  |

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**WMST619****Women's Studies Teaching Practicum**

(Perm req)

Credits: 1

Grading Method: Regular

*Provides Women's Studies graduate teaching assistants with ongoing regular faculty supervision during the semesters the students are teaching WMST courses.*

Prerequisite: permission of department. For WMST majors only.

|   |                    |                   |
|---|--------------------|-------------------|
| 0101  | Elsa Barkley Brown | Seats (Total: 10) |
| Contact instructor or department for details. |                    |                   |

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**WMST628 Women's Studies Colloquium**

(Perm req)

Credits: 1      Grading Method: Sat-Fail

*An intensive advanced exploration of current problems and issues in women's studies.*

|   |                          |                   |
|---|--------------------------|-------------------|
| 0101  | Lamonda Horton-Stallings | Seats (Total: 18) |
| Contact instructor or department for details. |                          |                   |

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**WMST698O Special Topics in Women's Studies; Black Sexualities**

Credits: 3      Grading Method: Regular,  
Audit

*Advanced work in selected topics in Women's Studies.*

Also offered as AMST628B. Credit granted for AMST628B or WMST698O. An interdisciplinary and intersectional seminar on black sex and sexualities in the West. We will approach sex and sexuality as charged sites of social relations where power, pleasure, vulnerability, abjection, violence, knowledge, and freedom are produced and negotiated. The course curriculum will include visual culture, fiction, music, histories of sexualities, black feminist theory, sociology, queer of color critique, performance theory, affect studies, critical pornography

|      |                    |                   |
|------|--------------------|-------------------|
| 0101 | La Marr Bruce      | Seats (Total: 20) |
|      | Th 4:00pm - 6:40pm | TWS 0134          |

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**WMST699 Independent Study**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

*Research and writing on specific readings on a topic selected by the student which is approved and supervised by a faculty member of the Women's Studies Department.*

**Contact department for information to register for this course.**

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**WMST709 Directed Independent Reading for Major Field Exam**

(Perm req)

Credits: 1-4      Grading Method: Sat-Fail

*Directed reading in preparation for Major Field Exam. In consultation with their advisors, students identify, analyze, critique and synthesize material relevant to their major fields of inquiry. Grading will be based on combinations of oral performance in the bi-weekly meetings, production of annotated bibliographies and synthetic papers.*

**Contact department for information to register for this course.**

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**WMST799**

**Masters Thesis Research**

(Perm req)

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**WMST898**

**Pre-Candidacy Research**

(Perm req)

Credits: 1-8      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**WMST899**

**Doctoral Dissertation Research**

(Perm req)

Credits: 6      Grading Method: Regular

**Contact department for information to register for this course.**

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