

CIV ENGR 890 – PRE-DISSERTATOR'S RESEARCH

1-9 credits.

Under faculty supervision.

Requisites: Declared in Civil and Environmental Engineering PHD or Environmental Chemistry and Technology PHD**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** Yes, unlimited number of completions**Last Taught:** Fall 2024**Learning Outcomes:** 1. Demonstrate broad knowledge of civil or environmental engineering

Audience: Graduate

2. Integrate knowledge from multiple disciplines to independently develop civil or environmental engineering research hypotheses

Audience: Graduate

3. Design and conduct preliminary research to iteratively test and finalize hypotheses

Audience: Graduate

4. Communicate research results in written and verbal formats

Audience: Graduate

CIV ENGR 909 – GRADUATE SEMINAR - ENVIRONMENTAL CHEMISTRY & TECHNOLOGY

1 credit.

Current research in environmental chemistry and technology.

Requisites: Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** Yes, unlimited number of completions**Last Taught:** Fall 2024**Learning Outcomes:** 1. Demonstrate awareness of historic and/or current advances in environmental chemistry and technology research, practice, policy and/or professional conduct

Audience: Graduate

CIV ENGR/ATM OCN/BOTANY/ENVIR ST/GEOSCI/ZOOLOGY 911 – LIMNOLOGY AND MARINE SCIENCE SEMINAR

1 credit.

Sections in various fields of zoological research.

Requisites: Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** Yes, unlimited number of completions**Last Taught:** Fall 2024**CIV ENGR 919 – SEMINAR-HYDRAULIC ENGINEERING AND FLUID MECHANICS**

1 credit.

Current research and review of literature in theoretical and applied fluid mechanics and hydraulic engineering.

Requisites: Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** Yes, unlimited number of completions**Last Taught:** Fall 2024**Learning Outcomes:** 1. Demonstrate awareness of historic and/or current advances in hydraulic engineering and fluid mechanics research, practice, policy and/or professional conduct

Audience: Graduate

CIV ENGR 929 – SEMINAR-ENVIRONMENTAL ENGINEERING

1 credit.

Current research and literature on water, wastewater, water pollution control, solid wastes engineering and management.

Requisites: Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** Yes, unlimited number of completions**Last Taught:** Fall 2024**Learning Outcomes:** 1. Demonstrate awareness of historic and/or current advances in environmental engineering research, practice, policy and/or professional conduct

Audience: Graduate

CIV ENGR 939 – GEOTECHNICAL ENGINEERING SEMINAR

1 credit.

Geotechnical analysis, design, and construction.

Requisites: Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** Yes, unlimited number of completions**Last Taught:** Spring 2024**Learning Outcomes:** 1. Demonstrate awareness of historic and/or current advances in geotechnical engineering research, practice, policy and/or professional conduct

Audience: Graduate

CIV ENGR 949 – SEMINAR-STRUCTURAL ENGINEERING

1 credit.

Structural analysis, design, and construction.

Requisites: Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** Yes, unlimited number of completions**Last Taught:** Spring 2023**Learning Outcomes:** 1. Demonstrate awareness of historic and/or current advances in structural engineering research, practice, policy and/or professional conduct

Audience: Graduate

CIV ENGR/ENVIR ST 970 – COLLOQUIUM IN TRANSPORTATION MANAGEMENT AND POLICY

1 credit.

Current issues, case studies, research, and literature dealing with transportation management and policy development.

Requisites: Graduate/professional standing

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: Yes, unlimited number of completions

Last Taught: Fall 2016

CIV ENGR 990 – THESIS

1-12 credits.

Under faculty supervision.

Requisites: Declared in Civil and Environmental Engineering PHD or Environmental Chemistry and Technology PHD

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: Yes, unlimited number of completions

Last Taught: Fall 2024

Learning Outcomes: 1. Integrate knowledge from multiple disciplines to independently develop civil or environmental engineering research hypotheses

Audience: Graduate

2. Design and conduct fundamental research tasks to test hypotheses

Audience: Graduate

3. Interpret the results of the research, then communicate the interpretation in both written and verbal formats

Audience: Graduate

CIV ENGR 999 – ADVANCED INDEPENDENT STUDY

1-9 credits.

Under faculty supervision.

Requisites: Consent of instructor

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: Yes, unlimited number of completions

Last Taught: Fall 2024

Learning Outcomes: 1. Conduct and report on independent civil or environmental engineering research

Audience: Graduate

2. Independently develop civil or environmental engineering research questions

Audience: Graduate

3. Appropriately use online and library resources

Audience: Graduate

CIVIL SOCIETY AND COMMUNITY STUDIES (CSCS)

CSCS 125 – COMMUNITY AND SOCIAL CHANGE

3 credits.

Examine contemporary issues with an emphasis on the role that individuals and communities play in achieving positive social change. Develop the mindsets and communication skills necessary to work in diverse community contexts. Specific themes may shift based on current events, but often include education reform, racial justice, health equity, alternative economies, food systems, and sustainability.

Requisites: None

Course Designation: Breadth – Social Science

Level – Elementary

L&S Credit – Counts as Liberal Arts and Science credit in L&S

Repeatable for Credit: No

Last Taught: Fall 2024

Learning Outcomes: 1. Analyze community issues and contemporary social movements from human ecological & multicultural perspectives

Audience: Undergraduate

2. Identify stakeholders and describe the possibilities, values, and limitations of strategies for achieving social change objectives

Audience: Undergraduate

3. Link historical and contemporary scholarly authors as it relates to Community-Based and Action-Oriented research

Audience: Undergraduate

4. Recognize how power, privilege, and social identity influence the ways diverse individuals and groups experience (and influence) social change

Audience: Undergraduate

5. Reflect on how social identities, community contexts, and relative privilege impact the ways they experience and/or agitate for social change

Audience: Undergraduate

CSCS 130 – COMMUNITY NEWSWRITING

3 credits.

News writing of interest to individuals, families, and communities.

Requisites: Sophomore standing

Course Designation: Gen Ed – Communication Part B

Repeatable for Credit: No

Last Taught: Summer 2024

CSCS 254 – COMMUNITY & NONPROFIT LEADERSHIP SYMPOSIUM

1 credit.

Provides detailed examination of careers in Human Ecology and the fields of community and nonprofit leadership. High-level leaders from leading community organizations, nonprofits, community health institutions, family support agencies, NGO's, and public-sector entities will present as guest speakers and panel members.

Requisites: None

Repeatable for Credit: Yes, for 1 number of completions

Last Taught: Fall 2024

Learning Outcomes: 1. Develop opinions on the various career options available in nonprofit sector and community settings and be inspired by innovators and community-based leaders
Audience: Undergraduate

2. Know about varied career "paths," career "next steps," community & nonprofit cultures, and reflect on that knowledge
Audience: Undergraduate

3. Know more about specific areas of professional work in nonprofit sector and community organizations serving individuals, families, neighborhoods and communities via presentations, readings, and engaged dialogues
Audience: Undergraduate

CSCS 299 – INDEPENDENT STUDY

1-3 credits.

Directed study projects as arranged with a faculty member.

Requisites: Consent of instructor

Repeatable for Credit: Yes, unlimited number of completions

Last Taught: Spring 2024

CSCS 300 – NONPROFIT SECTOR: OVERVIEW AND FOUNDATIONS

3 credits.

Learn the concepts and tools to analyze the broad environment in which nonprofits operate and assess the impact of this environment at the community and individual organizational level.

Requisites: None

Repeatable for Credit: No

Last Taught: Fall 2024

Learning Outcomes: 1. Associate the roles and interrelationships among the three main sectors of the U.S. economy: civil society/NP, private/corporate, and public/government; and link identifying characteristics that are unique to the nonprofit sector
Audience: Undergraduate

2. Describe the historical development of the nonprofit sector in the United States
Audience: Undergraduate

3. Engage in the theories of NPO's contributions to the development of civil society
Audience: Undergraduate

4. Identify how expectations of nonprofit contributions to collaborations and community-building can affect individual nonprofit organizations
Audience: Undergraduate

5. Identify trends currently affecting the nonprofit sector in the United States, including (but not limited to) social identity, power, privilege, partisan politics & civil discourse via traditional media and social media, nonprofit industrial complex, neoliberalism
Audience: Undergraduate

CSCS 301 – COORDINATIVE INTERNSHIP/COOPERATIVE EDUCATION

1-6 credits.

Enables students with supervised internships to earn academic credit while engaged in a professional experience in community and nonprofit leadership related fields. Course is intended for juniors and seniors in Community and Nonprofit Leadership.

Requisites: Consent of instructor

Course Designation: Workplace - Workplace Experience Course

Repeatable for Credit: Yes, unlimited number of completions

Last Taught: Fall 2015

CSCS/AMER IND 330 – AMERICAN INDIAN COMMUNITIES: SOVEREIGNTY, STRUGGLES, AND SUCCESSES

3 credits.

Learn about contemporary Native communities, both domestically and globally, through a carefully curated selection of readings, podcasts, and videos from Indigenous scholars, community members, knowledge holders, and activists. Offers a broad historical overview of Native American communities in the United States that illustrates the historical trajectory from early colonization and dispossession through self-determination and the recognition of tribal sovereignty in action by local, state, and federal governments.

Requisites: Sophomore standing

Course Designation: Ethnic St - Counts toward Ethnic Studies requirement

Breadth - Humanities

Level - Intermediate

L&S Credit - Counts as Liberal Arts and Science credit in L&S

Repeatable for Credit: No

Last Taught: Fall 2024

Learning Outcomes: 1. Awareness of History's Impact on the Present: Understand and identify the relationships and effects of colonial & historical trauma that shaped and continues to influence current sovereignty issues, health disparities, food inequalities, and Tribal lifeways for both rural and urban communities.

Audience: Undergraduate

2. A Consciousness of Self and Other: Explore individual implicit biases in which to construct respectful and culturally responsive self-awareness.

Audience: Undergraduate

3. Identify key ways Native communities differ from other racial/ethnic groups. Students will "unlearn" and question assumptions about Native communities in the US and reflect on their own racial/ethnic identity.

Audience: Undergraduate

4. Describe the role of sovereignty for Native American communities historically and contemporarily.

Audience: Undergraduate

5. Evaluate the impact and significance of colonization on Native communities in the US including global Indigenous populations. Students will offer a critical analysis of who has and who continues to benefit from dominant narratives of colonization.

Audience: Undergraduate

6. Apply learned knowledge to interrogate the complex systems of oppression and marginalization that Native communities continue to face.

Audience: Undergraduate

7. Compare and analyze the efforts of Native communities working to make systemic changes in their own communities and better understand the cultural perspectives of those communities.

Audience: Undergraduate

CSCS 335 – COMMUNICATING WITH KEY AUDIENCES

3 credits.

Comprehensive communication strategies for individuals, families, and communities.

Requisites: Sophomore standing

Repeatable for Credit: No

Last Taught: Fall 2024

Learning Outcomes: 1. Articulate the context of communications planning based on several dispositions of nonprofit communications, including hospitality, gratitude, inclusion, engagement, and expressing need

Audience: Undergraduate

2. Engage in 'best practices' of nonprofit communications via grant-writing, donor communicate, special events plans, social media and on-line strategies, and fundraising & development

Audience: Undergraduate

3. Engage in the fundamental principles of brand management, including graphic and visual design, social media strategies, print materials, and in-person communications

Audience: Undergraduate

4. Identify and analyze nonprofit sector "key audiences," including: volunteers, donors, board members, community and political leaders, employees, community-based employers, religious organizations, civic clubs, government agencies, and neighborhood constituents

Audience: Undergraduate

5. Identify, analyze and evaluate components of nonprofit communications plans based on contemporary communications 'best practices'

Audience: Undergraduate

6. Name the demographic make-up of a community nonprofit organization, with particular emphasis on its "key audiences"

Audience: Undergraduate

CSCS 345 – EVALUATION AND PLANNING FOR COMMUNITY AND NONPROFIT ORGANIZATIONS

3 credits.

An applied introduction to planning and evaluation for nonprofit and community-based organizations. Develop skills that can be utilized in both existing and prospective organization-level strategic planning, individual program-level planning, as well as multi-organization planning contexts. Learn how to think of evaluation as a practice, a way of thinking, and as a process integral to and interdependent with strategic and program planning.

Requisites: CSCS 300**Repeatable for Credit:** No**Last Taught:** Spring 2024

Learning Outcomes: 1. Describe and create ethical, inclusive, and culturally appropriate approaches to planning & eval that engage diverse stakeholders in a participatory process

Audience: Undergraduate

2. Develop strategic plans, program plans, and evaluation frameworks that bridge short-term objectives with the longer-term goals of justice and liberation

Audience: Undergraduate

3. Recognize and identify systems thinking, evidence-based evaluation, backwards design, strategic doing, and other methods for meeting the planning and evaluation needs of programs

Audience: Undergraduate

CSCS 375 – SPECIAL TOPICS

1-4 credits.

Specialized subject matter of current interest.

Requisites: None**Repeatable for Credit:** Yes, unlimited number of completions**Last Taught:** Spring 2024**CSCS 400 – PHILANTHROPY AND CIVIC ENGAGEMENT**

3 credits.

Explores philanthropy and civic engagement through giving time, money and effort to a public purpose. Learn the philanthropic process including creating a giving plan, as well as exploring strategic and creative ways to give that promote civil society and engagement. Develop plans for assessment and evaluation of philanthropic giving.

Requisites: Sophomore standing**Repeatable for Credit:** No**Last Taught:** Fall 2024

Learning Outcomes: 1. Critically analyze philanthropy issues from a human ecology perspective

Audience: Undergraduate

2. Explore philanthropy trends such as women and giving, corporate philanthropy, diverse populations, and youth philanthropy

Audience: Undergraduate

3. Explore careers that focus on philanthropy in the nonprofit and corporate settings

Audience: Undergraduate

4. Identify multiple stakeholders and describe the possibilities, values, and limitations of philanthropic decisions

Audience: Undergraduate

5. Recognize the social responsibility of individuals within a community and reflect on the role of giving within civil society including corporate, international, & disaster relief philanthropy

Audience: Undergraduate

6. Share fund allocation decisions using written, oral, and visual communication

Audience: Undergraduate

7. Understand the mechanisms of social entrepreneurship

Audience: Undergraduate