

Fall 2020 Course Descriptions as of 04/05/2020 08:13 PM

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Psychological Science (PSYS)

PSYS 392: Directed Research (1 - 6 units)

Description: Directed Research Course is designed for students to complete an individual or small group research project under the guidance of a faculty member. Under the directed supervision of their faculty mentor, students either assist with on-going research that is being conducted by their faculty mentor, or they create their own independent projects under their mentor's guidance.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 3 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

Student Engagement Activity: Discovery

Student Engagement Competency: Innovation and Creativity

PSYS 392H: Honors Directed Research (1 - 6 units)

Description: Honors Directed Research Course is designed for Honors students to complete an individual or small group research project under the guidance of a faculty member. Under the directed supervision of their faculty mentor, Honors students either assist with on-going research that is being conducted by their faculty mentor, or they create their own independent projects under their mentor's guidance.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 3 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

Enrollment requirement: Student must be active in the Honors College.

Honors Course: Honors Course

Honors Course: Honors Course

Student Engagement Activity: Discovery

Student Engagement Competency: Innovation and Creativity

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PSYS 404: Spatial navigation: The neural and computational foundations (3 units)

Description: The ability to navigate our surrounding environment is fundamental to our survival. Yet, we are only beginning to understand how the neural signals in our brain underlie this important ability, particularly in humans. In this class, we will review behavioral and invasive/non-invasive recording techniques that have helped to reveal the neural basis of spatial navigation. While our primary focus will be on humans, we will also consider other well-studied species like rodents, from whom we have learned many important properties about the neural basis of navigation. The objectives of this class will be to provide a more complete understanding of how we navigate and how neural signals in the brain underlie this critical everyday function.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall, Spring

Recommendations and additional information: PSY 290A, PSY 290B

PSYS 407: Language and Thought: A Cognitive Psychology/Neuroscience Perspective (3 units)

Description: This course focuses on the relationships between language and thought. Can subtle differences in the language we are exposed to affect how we attend to objects, remember events, and make decisions? Do speakers of different languages perceive and think about the world differently? Do bilingual or multi-lingual speakers have conflicting streams of thoughts? The course will survey past and present research that have provided some answers to these questions in various domains, including color, number, space, motion, time, counterfactual reasoning, etc.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall, Spring

Writing Emphasis: Writing Emphasis Course

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PSYS 408: Imagination and the Brain (3 units)

Description: In this advanced undergraduate seminar, we will explore the psychology and neuroscience behind the amazing power of our imagination a diverse set of processes involving a shift in our perspective away from the here-and-now. Imagination gives rise to creativity and innovation, and enables the artistic and technological advances that define our society. Using our imaginative brains, we can reflect on our past and entertain our future processes critical for optimal decision making and successfully reaching our goals. A healthy imagination is also essential for forging healthy social relationships and navigating the social world. This course will unpack the mysteries of the imaginative brain, and the many ways in which imagination is integral to our daily lives. We will explore how imagination is fundamental to our ability to remember the past (memory), to think about the future (prospection), and to understand others (language and empathy). We will also discuss the role of imagination as a source of creative inspiration, and consider how imagination unfolds spontaneously during the day (as when mind-wandering or day-dreaming) and at night (as when dreaming). Finally, we will consider how imagination develops and changes over the lifespan, as well as how it can break down in different mental health disorders and neurodegenerative diseases. Through this course, students will gain an in depth knowledge of the imaginative brain by using their own imagination to engage in hands-on learning activities and collaborative discussion.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Seminar Required

Course typically offered:

Main Campus: Fall, Spring

Distance Campus: Fall, Spring

Field trip: n/a

Enrollment requirement: PSY 300 or NCSC 200 and Psychological Science majors only.

PSYS 492: Directed Research (1 - 6 units)

Description: Directed Research Course is designed for students to complete an individual or small group research project under the guidance of a faculty member. Under the directed supervision of their faculty mentor, students either assist with on-going research that is being conducted by their faculty mentor, or they create their own independent projects under their mentor's guidance.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 3 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

Student Engagement Activity: Discovery

Student Engagement Competency: Innovation and Creativity

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

PSYS 492H: Honors Directed Research (1 - 6 units)

Description: Honors Directed Research Course is designed for Honors students to complete an individual or small group research project under the guidance of a faculty member. Under the directed supervision of their faculty mentor, Honors students either assist with on-going research that is being conducted by their faculty mentor, or they create their own independent projects under their mentor's guidance.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 3 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

Enrollment requirement: Student must be active in the Honors College.

Honors Course: Honors Course

Honors Course: Honors Course

Student Engagement Activity: Discovery

Student Engagement Competency: Innovation and Creativity

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.