NEUROSCIENCE (NEUR)

NEUR 2980 - Independent Study
Credit(s): 1 or 3 Credits (Repeatable for credit)

NEUR 3400 - Introduction to Neuroscience 1: Cellular, Molecular and Systemic
Credit(s): 3 Credits
This course teaches the fundamental anatomy and physiology of the nervous system. Clinical cases and neuroscience technologies will be discussed. The course covers cellular, molecular and organ-systemic aspects of the nervous system and relevant neuronal disorders.
Prerequisite(s): BIOL 3040*

* Concurrent enrollment allowed.
Restrictions:
Enrollment is limited to students with a major in Neuroscience.

NEUR 3500 - Introduction to Neuroscience 2: Cognitive and Behavioral
Credit(s): 3 Credits
This course introduces fundamentals of the neural bases of cognition and behavior. Areas of study include: methods of Cognitive Neuroscience, sensation and perception, movement, attention, learning and memory, and social and emotional behavior.
Prerequisite(s): PSY 1010; NEUR 3400
Restrictions:
Students in the Biology, Psychology or Psychology/Biology departments may not enroll.

NEUR 3550 - Neuroscience Laboratory
Credit(s): 1 Credit
This course introduces to students basic neuroanatomy, as well as cellular and molecular neuroscience through hands-on laboratory exercises using a variety of techniques such as electrophysiology, computational neuroscience, immunohistochemistry, pharmacology, and cell culture. Students will design and conduct their own group projects.
Prerequisite(s): (NEUR 3400 or BIOL 3400)
Restrictions:
Enrollment is limited to students with a major in Neuroscience.

NEUR 4865 - Capstone Neurophysiology Laboratory
Credit(s): 1 Credit
The Neuroscience Seminar focuses on synthesis and integration of concepts across the interdisciplinary field of neuroscience, drawing on a wide range of scientific disciplines to understand how the brain functions. The course aims to foster intellectual engagement, critical thinking, and communication skills to develop advanced-level understanding of neuroscience topics. (Offered in Fall and Spring)
Prerequisite(s): NEUR 3500; Minimum Earned Credits of 90
Restrictions:
Enrollment is limited to students with a major in Neuroscience.

NEUR 4910 - Internship
Credit(s): 1-6 Credits (Repeatable for credit)
Attributes: UUC:Reflection-in-Action

NEUR 4930 - Special Topics
Credit(s): 1-3 Credits (Repeatable for credit)
Restrictions:
Enrollment limited to students with a classification of Senior.
Enrollment is limited to students with a major in Neuroscience.

NEUR 4900 - Neuroscience Seminar
Credit(s): 1 Credit
The Neuroscience Seminar focuses on synthesis and integration of concepts across the interdisciplinary field of neuroscience, drawing on a wide range of scientific disciplines to understand how the brain functions. The course aims to foster intellectual engagement, critical thinking, and communication skills to develop advanced-level understanding of neuroscience topics. (Offered in Fall and Spring)
Prerequisite(s): NEUR 3500; Minimum Earned Credits of 90
Restrictions:
Enrollment is limited to students with a major in Neuroscience.

NEUR 4910 - Internship
Credit(s): 1-6 Credits (Repeatable for credit)
Attributes: UUC:Reflection-in-Action

NEUR 4930 - Special Topics
Credit(s): 1-3 Credits (Repeatable for credit)
Restrictions:
Enrollment limited to students with a classification of Senior.
Enrollment is limited to students with a major in Neuroscience.

NEUR 4900 - Neuroscience Seminar
Credit(s): 1 Credit
The Neuroscience Seminar focuses on synthesis and integration of concepts across the interdisciplinary field of neuroscience, drawing on a wide range of scientific disciplines to understand how the brain functions. The course aims to foster intellectual engagement, critical thinking, and communication skills to develop advanced-level understanding of neuroscience topics. (Offered in Fall and Spring)
Prerequisite(s): NEUR 3500; Minimum Earned Credits of 90
Restrictions:
Enrollment is limited to students with a major in Neuroscience.

NEUR 4910 - Internship
Credit(s): 1-6 Credits (Repeatable for credit)
Attributes: UUC:Reflection-in-Action

NEUR 4930 - Special Topics
Credit(s): 1-3 Credits (Repeatable for credit)
Restrictions:
Enrollment limited to students with a classification of Senior.
Enrollment is limited to students with a major in Neuroscience.