

# 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.

**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

**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)

**NEUR 4910 - Internship**

**Credit(s): 1-6 Credits** (Repeatable for credit)

**NEUR 4930 - Special Topics**

**Credit(s): 1-3 Credits** (Repeatable for credit)