

NEUROSCIENCE (NEUR)

NEUR 222. The Brain: A Neuroscience Primer. (2 Credits)

This course explores how neuroscientists study the human brain and the contemporary issues that arise. Lectures and lab experiences will focus on the tools used to study and understand the brain and their impact on understanding human thought, behavior, and emotion. Morning sessions will include lectures and seminar discussions that examine how the central nervous system is understood and related cultural/philosophical issues. Afternoon sessions will involve work with neural specimens, tissue, and other neuroscience lab techniques. (Open to Wheaton College Summer Institute students only)

NEUR 241. Foundations of Neuroscience. (4 Credits)

This course is an overview of the basic structure and function of the nervous system. Emphasis is placed on divisions of the nervous system, neural development, cellular and molecular systems and neurophysiology. Two lectures, three hours laboratory. Lab fee.

Tags: SP

NEUR 369. Neuroscience Research Techniques. (2 Credits)

A junior/senior level course where students are trained in the use of various neuroscience research techniques and methodology. Prerequisite: NEUR 241 or BIOL 339; and PSYC 269 or BIOL 252; or consent of instructor. Additional course fee required: \$85.

NEUR 385. Special Topics in Neuroscience. (2 Credits)

Seminars or courses in special areas offered at discretion of the program. Prerequisites: NEUR 241 or BIOL 336 or consent of the instructor.

NEUR 386. Special Topics in Neuroscience. (4 Credits)

Seminars or courses in special areas offered at discretion of the program. Prerequisites: NEUR 241 or BIOL 336 or consent of the instructor.

NEUR 494. Neuroscience Capstone. (2 Credits)

A junior/senior level course with an interdisciplinary research component is developed as the culmination of a certificate. Students will develop a research study using tools from multiple disciplines to answer a question related to the field of neuroscience. Prerequisite NEUR 369.

NEUR 495. Independent Study in Neuroscience. (1 to 4 Credits)

Individual library or experimental research carried on under the supervision of a faculty member approved by the Neuroscience Program Coordinator.