NEUROSCIENCE (NEUR)

NEUR 1XXX. Neuroscience Elective. 1 Credit Hour.

NEUR 2001. Principles in Neuroscience. 4 Credit Hours.
Students will learn fundamental principles and methods in neuroscience from problem-based study of neural substrates of animal behavior.

NEUR 2001R. Introduction to Neuroscience Recitation. 0 Credit Hours.

NEUR 2698. Undergraduate Research Assistantship. 1-12 Credit Hours.
Independent research conducted under the guidance of a faculty member.

NEUR 2699. Undergraduate Research. 1-12 Credit Hours.
Independent research conducted under the guidance of a faculty member.

NEUR 2901. Special Problems. 1-21 Credit Hours.
Special Problems.

NEUR 2XXX. Neuroscience Elective. 1-21 Credit Hours.

NEUR 3001. Cell and Molecular Neuroscience. 3 Credit Hours.
An overview of principles and techniques in cell and molecular neuroscience: neuron excitability, synaptic transmission, learning and memory to basic mechanisms of neurological diseases.

NEUR 3003. Neuroscience of Behavior. 3 Credit Hours.
This course examines the biological basis of psychology. Behavioral Neuroscience is an interdisciplinary science that aims to investigate the interaction between brain and behavior.

NEUR 3010. Methods in Neuroscience. 3 Credit Hours.
The course is focused on understanding how information about brain and nervous system function can be determined from a wide range of experimental and data analysis techniques.

NEUR 3XXX. Neuroscience Elective. 1-21 Credit Hours.

NEUR 4001. Neuroscience Research Project. 4 Credit Hours.
Focused on multidisciplinary perspectives in neuroscience, this course requires that students utilize and apply the skills and knowledge developed over the course of their major.

NEUR 4300. Neuroscience of Memory. 3 Credit Hours.
How does the nervous system support learning and memory? How does memory guide behavior and decisions? Course emphasizes mammalian brain, but students consider fundamental mechanisms.

NEUR 4400. Neuroendocrinology. 3 Credit Hours.
An introduction to study of the interactions of the nervous and endocrine systems, specifically covering how the brain regulates the hormonal activity in the body.

NEUR 4698. Undergraduate Research Assistantship. 1-12 Credit Hours.
Independent research conducted under the guidance of a faculty member.

NEUR 4699. Undergraduate Research. 1-12 Credit Hours.
Independent research conducted under the guidance of a faculty member.

NEUR 4740. Neuroethics. 3 Credit Hours.
This course considers the implications of neuroscience research on culture, society, the legal system, and on how individuals conceive of their nature as human beings.

NEUR 4801. Special Topics. 1 Credit Hour.
Topics of current interest not included in the regular course offerings.

NEUR 4802. Special Topics. 2 Credit Hours.
Topics of current interest not included in the regular course offerings.

NEUR 4803. Special Topics. 3 Credit Hours.
Topics of current interest not included in the regular course offerings.

NEUR 4804. Special Topics. 4 Credit Hours.
Topics of current interest not included in the regular course offerings.

NEUR 4805. Special Topics. 5 Credit Hours.
Topics of current interest not included in the regular course offerings.

NEUR 4806. Special Topics. 6 Credit Hours.
Topics of current interest not included in the regular course offerings.

NEUR 4814. Special Topics. 4 Credit Hours.
Topics of current interest not included in the regular course offerings.

NEUR 4901. Special Problems. 1-21 Credit Hours.
Special Problems.

NEUR 4XXX. Neuroscience Elective. 1 Credit Hour.

NEUR 6XXX. Neuroscience Elective. 1 Credit Hour.