**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 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.**