NEUROSCIENCE (NEUR)

NEUR 10100  SEMINAR IN NEUROSCIENCE  1 Credit Hour
Course provides an overview of the neuroscience field, including areas of neuroscience research, foundational principles in neuroscience, current questions and techniques, career possibilities and examples of research being conducted by neuroscience faculty.
Prerequisite: None.
Schedule Type: Lecture
Contact Hours: 1 lecture
Grade Mode: Satisfactory/Unsatisfactory

NEUR 30100  NEUROSCIENCE I  3 Credit Hours
Course covers basic principles in neuroscience, from the cellular to systems levels. Provides students a basic understanding of how the nervous system is organized, electrophysiology properties of neurons, sensory systems and motor pathways.
Prerequisite: BSCI 30140.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

NEUR 30200  NEUROSCIENCE II  3 Credit Hours
Course builds off of the principles taught in NEUR 30100 by providing more depth and breadth to the functioning of the nervous system. Course provides students a more complete understanding of the neuroanatomy, neurophysiology and neural circuitry involved in sensory processing, motor control and higher order cognitive functioning.
Prerequisite: NEUR 30100.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

NEUR 30300  EXPERIMENTAL METHODS IN NEUROSCIENCE  1 Credit Hour
Accompanying laboratory for NEUR 30200. Course provides a greater depth of understanding into and hand-on experience with the principles discussed in NEUR 30200. Course provides students a full understanding in the major research techniques used in neuroscience. The major topics covered include: electrophysiology, neuroanatomy, learning and memory, the neuromuscular junction and sensory perception.
Prerequisite: NEUR 30100 with a minimum C grade.
Pre/corequisite: NEUR 30200.
Schedule Type: Laboratory
Contact Hours: 3 lab
Grade Mode: Standard Letter

NEUR 40192  INTERNSHIP IN NEUROSCIENCE (ELR)  3-12 Credit Hours
Work experience and training in neuroscience under the supervision of appropriate personnel in a government agency, nonprofit organization or business.
Prerequisite: NEUR 30200; and special approval.
Schedule Type: Practicum or Internship
Contact Hours: 9-36 other
Grade Mode: Standard Letter
Attributes: Experiential Learning Requirement

NEUR 40195  SPECIAL TOPICS IN NEUROSCIENCE  1-3 Credit Hours
Topics in neuroscience vary per course offering.
Prerequisite: NEUR 30200.
Schedule Type: Laboratory, Lecture, Combined Lecture and Lab
Contact Hours: 1-3 lecture, 2-6 lab
Grade Mode: Standard Letter

NEUR 40196  INDIVIDUAL INVESTIGATION IN NEUROSCIENCE  1-3 Credit Hours
Research study under the guidance of a neuroscience faculty member.
Prerequisite: NEUR 30200
Schedule Type: Laboratory
Contact Hours: 3-9 lab
Grade Mode: Standard Letter

Attributes: Experiential Learning Requirement