NEUROSCIENCE (NEUR)

NEUR 10100 SEMINAR IN NEUROSCIENCE 1 Credit Hour
Seminar in Neuroscience 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 at Kent State.
Prerequisite: None.
Schedule Type: Lecture
Contact Hours: 1 lecture
Grade Mode: Satisfactory/Unsatisfactory

NEUR 30100 NEUROSCIENCE I 3 Credit Hours
Neuroscience I will cover basic principles in neuroscience from the cellular to systems levels. After completion of the course students will have 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
Neuroscience II will build off of the principles taught in Neuroscience I by providing more depth and breadth to the functioning of the nervous system. After completion of the course students will have 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
Experimental Methods in Neuroscience is the accompanying laboratory course to Neuroscience II. This course will provide a greater depth of understanding into and hand-on experience with the principles discussed in the lecture course. After completion of this course, students will be fluent in the major research techniques used in this discipline. The major topics covered include: Electrophysiology, Neuroanatomy, Learning & Memory, the Neuromuscular Junction, and Sensory Perception.
Prerequisite: Minimum C grade in NEUR 30100.
Pre/corequisite: NEUR 30200.
Schedule Type: Laboratory
Contact Hours: 3 lab
Grade Mode: Standard Letter

NEUR 40195 SPECIAL TOPICS IN NEUROSCIENCE 1-3 Credit Hours
Special topic in Neuroscience.
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

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. Maximum of 6 credit hours to count toward neuroscience degree as upper division elective hours.
Prerequisite: NEUR 30200 and special approval.
Schedule Type: Practicum or Internship
Contact Hours: 9-36 other
Grade Mode: Standard Letter
Attributes: Experiential Learning Requirement