

NEUROSCIENCE (NSC)

NSC 4130 Advanced Laboratory in Neural Science (1)

Pre-requisite(s): NSC/PSY 4330 or concurrent enrollment
Laboratory experiments illustrating methods and procedures in Behavioral Neuroscience.

NSC 4312 Behavioral Medicine (3)

Pre-requisite(s): NSC 1106 and 1306 or consent of instructor
Major issues in Behavioral Medicine from the contribution of psychological, behavioral, and physiological factors and processes, to health and illness, to the application of psychological theories and techniques, to the prevention and amelioration of illness and the promotion of health. Uses engaged learning methods.

NSC 4330 Advanced Principles of Neural Science (3)

Pre-requisite(s): NSC 1106-1306 and PSY 1305, or consent of instructor
A study of the structure and function of the human nervous system as related to behavior.

NSC 5100 Psychology and Neuroscience Seminar (1)

Please see course description for PSY 5100.

NSC 5199 Non-Thesis Degree Completion (3)

To fulfill requirements for non-thesis master's students who need to complete final degree requirements other than coursework during their last semester. This may include such things as a comprehensive examination, oral examination, or foreign language requirement. Students are required to be registered during the semester they graduate.

NSC 5311 Seminar in Memory and Cognition (3)

Pre-requisite(s): Psychology Ph D or Psy.D. students only, or consent of instructor. An advanced treatment of the study of human cognition. Topics to include memory, language, problem solving, intelligence, and thinking.

NSC 5318 Perception (3)

Research and theory on sensory and perceptual processes.

NSC 5319 Clinical Neuroscience - Advanced (3)

Pre-requisite(s): PSY 4430 or 5330, or consent of instructor
Neuroanatomy, brain structure-function relationships, experimental neuropsychology, and biological theories of abnormal behavior.

NSC 5320 Learning and Behavior Theory (3)

Pre-requisite(s): Consent of instructor
Methods of theories of learning and Behavioral Analysis.

NSC 5330 Neuropharmacology (3)

Pre-requisite(s): Psychology Ph.D or Psy.D. students only, or consent of instructor
Introduction to pharmacology with emphasis on drugs that act on the nervous system. Absorption distribution and biotransformation of drugs. Drug receptors, site and mechanism of action.

NSC 5360 Neurophysiology (3)

Pre-requisite(s): Consent of instructor
Electrical and chemical behavior of neurons—excitable membranes, cell physiology of nerve cells, neural conduction, transmission, reception and integration.

NSC 5430 Neuroanatomy (4)

Pre-requisite(s): Consent of instructor
Selected topics in physiological psychology, including laboratory.

NSC 5V04 Graduate Research (1-3)

Pre-requisite(s): Consent of instructor
For research credit prior to admission to candidacy for an advanced degree. May be repeated for credit.

NSC 5V06 Individual Studies in Neuroscience (1-3)

Individual study in areas of neuroscience not covered by formal courses. Meetings are by appointment, and the course may be repeated for credit.

NSC 5V51 Supervised Teaching (1-3)

Advanced study in an area of psychology not covered by formal courses. Course may be repeated with a different topic of study.

NSC 5V71 Selected Topics in Neuroscience (1-9)

Advanced study in an area of neuroscience not covered by formal courses. Course may be repeated with a different topic of study.

NSC 5V96 Research Methods in Neuroscience (1-12)

Selected laboratory methods and techniques in experimental psychology.

NSC 5V99 Thesis (1-3)

Research, data analysis, writing, and oral defense of an approved master's thesis. At least three hours are required.

NSC 6V10 Prospectus Research (1-6)

Pre-requisite(s): Completion of required course work for PhD degree
Supervised research for developing and writing a Dissertation Prospectus Proposal that will be subject to review and approval by the Supervisory Committee.

NSC 6V99 Dissertation (1-12)

Supervised research for the doctoral dissertation. These hours may be distributed over more than one semester.