NEUROSCIENCE (NSC)

**NSC 4130** Advanced Laboratory in Neural Science (1)
Cross-listed as PSY 4130
Pre-requisite(s): NSC/PSY 4330 or concurrent enrollment
Laboratory experiments illustrating methods and procedures in Behavioral Neuroscience.

**NSC 4312** Behavioral Medicine (3)
Cross-listed as PSY 4312
Pre-requisite(s): NSC 1106 and 1306 or consent of instructor
Topics include the role of mind, brain, and behavior in health, disease and wellness; the history, philosophy, and current status of health care systems; physiological and behavioral analyses of stress; psychoneuroimmunology; behavioral factors in cardiovascular disease, cancer, drug abuse, and weight management.

**NSC 4330** Advanced Principles of Neural Science (3)
Cross-listed as PSY 4330
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 (1)
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)
Cross-listed as PSY 5311
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)
Cross-listed as PSY 5318
Research and theory on sensory and perceptual processes.

**NSC 5319** Clinical Neuroscience - Advanced (3)
Cross-listed as PSY 5319
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)
Cross-listed as PSY 5320
Pre-requisite(s): Consent of instructor
Methods of theories of learning and Behavioral Analysis.

**NSC 5330** Neuropharmacology (3)
Cross-listed as PSY 5330
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)
Cross-listed as PSY 5360
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)
Cross-listed as PSY 5430
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)
Cross-listed as PSY 5V51
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.