

NACS - NEUROSCIENCE & COGNITIVE SCIENCE

NACS600 Ethics in Scientific Research (2 Credits)

Issues of scientific integrity with emphasis on investigators in the laboratory sciences, including mentoring, scientific record keeping, authorship and peer review, ownership of data, use of animals and humans in research, and conflict of interest.

Prerequisite: Must have completed a year of graduate study.

Restriction: Permission of instructor; and must be in Neurosciences and Cognitive Sciences (Doctoral) program.

Credit Only Granted for: NACS600, PSYC788B, or BIOL600.

NACS608 Neuroscience and Cognitive Science Seminar (1 Credit)

Special seminar topics in Neuroscience and Cognitive Science.

Restriction: Permission of instructor.

Repeatable to: 8 credits if content differs.

NACS640 Foundational Readings Seminar (2 Credits)

An introduction to the breadth of research in Neuroscience and Cognitive Science. Faculty will present papers to provide historical context and introduction to important issues in the fields of their research.

Restriction: Permission of instructor; and must be in Neurosciences and Cognitive Sciences (Doctoral) program.

Credit Only Granted for: NACS640 or NACS728R.

Formerly: NACS728R.

NACS641 Introduction to Neurosciences (4 Credits)

Detailed examination of neurophysiology and sensorimotor systems.

Restriction: Permission of instructor.

NACS642 Cognitive Neuroscience (4 Credits)

A study of the fundamental concepts and techniques of cognitive neuroscience. Hands-on experience with three critically different cognitive neuroscience methods: EEG, MEG, and fMRI.

NACS643 Computational Neuroscience (4 Credits)

Provides a mathematical foundation in computational neuroscience.

Prerequisite: NACS641; and must have completed a course in calculus; and permission of instructor.

NACS644 Cellular and Molecular Neuroscience (4 Credits)

Overview of insights into the molecular mechanisms underlying the structure and function of the nervous system.

Prerequisite: NACS641; or permission of instructor.

NACS645 Cognitive Science (4 Credits)

A study of mental representations and computations. Issues examined include computation, representations, decisions, modularity, evolution, innateness, and reductionism.

Credit Only Granted for: NACS645 or NACS728Y.

Formerly: NACS728Y.

NACS728 Selected Topics in Neuroscience and Cognitive Science (2-4 Credits)

Graduate seminar on selected topics in contemporary neuroscience and Cognitive science. Extensive readings from the primary literature. Topics vary by semester.

Restriction: Permission of BSOS-Dean-Neuroscience and Cognitive Science.

Repeatable to: 15 credits if content differs.

NACS798 Master's Non-Thesis Research (1-3 Credits)

Individual research course for NACS non-thesis MS degree

Restriction: Must be in Neurosciences and Cognitive Sciences (Doctoral) program.

Repeatable to: 6 credits.

NACS799 Master's Thesis Research (1-3 Credits)

Individualized research course for NACS thesis MS degree

Restriction: Must be in Neurosciences and Cognitive Sciences (Doctoral) program.

Repeatable to: 6 credits.

NACS898 Pre-Candidacy Research (1-8 Credits)

NACS899 Doctoral Dissertation Research (1-8 Credits)

Individual instruction course: contact department or instructor to obtain section number

Restriction: Must be in Neurosciences and Cognitive Sciences (Doctoral) program.