

# Neuroscience (NEUS)

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## **NEUS 251. Introduction to Research I. 1 to 3 Hours.**

Research experience is an integral skill required in the field of neuroscience. This course provides an opportunity for students to become engaged in neuroscience-based research projects early in their undergraduate education. Students should contact the Program Coordinator or individual neuroscience faculty to make course arrangements.

## **NEUS 252. Intro to Research II. 1 to 3 Hours.**

Research experience is an integral skill required in the field of neuroscience. This course provides an opportunity for students to become engaged in neuroscience-based research projects early in their undergraduate education. Students should contact the Program Coordinator or individual neuroscience faculty to make course arrangements.

## **NEUS 280. Selected Topics in Neuroscience. 1 to 4 Hours.**

Selected topics in Neuroscience at the introductory or intermediate level.

## **NEUS 321. Neuroscience Seminar I. 1 Hour.**

An interdisciplinary seminar discussing current topics in neuroscience through the examination of literature at the molecular neurobiology, neuroanatomy, neurophysiology, and behavioral levels. This course is appropriate for Biology and Psychology majors and those pursuing the program in Neuroscience. Junior or senior standing required.

## **NEUS 322. Neuroscience Seminar II. 1 Hour.**

An interdisciplinary seminar discussing current topics in neuroscience through the examination of literature at the molecular neurobiology, neuroanatomy, neurophysiology, and behavioral levels. This course is appropriate for Biology and Psychology majors and those pursuing the program in Neuroscience. Junior or senior standing required.

## **NEUS 351. Human Neuroscience Laboratory. 3 Hours.**

This laboratory course will provide an opportunity to gain expertise in the quantification and analysis of human behavior and neurophysiological signals using advanced electrophysiological techniques such as GSR, EOG, EEG, or ERP.

**Prerequisite:** PSY 310 with a minimum grade of D or PSY 330 with a minimum grade of D or PSY 333 with a minimum grade of D or PSY 335 with a minimum grade of D.

## **NEUS 447. Neuro Research Capstone I. 4 Hours.**

This course is designed to permit students to learn a research technique and obtain training in the use of scientific methodology in the field of neuroscience. Specific course objectives include: hands-on experience in a neuroscience research technique, learning appropriate data collection and analysis techniques, and learning how conclusions based on empirical data are formed and disseminated as research articles.

**Prerequisite:** PSY 200 with a minimum grade of D or BIO 351 with a minimum grade of D or BIO 352 with a minimum grade of D or BIO 353 with a minimum grade of D or BIO 354 with a minimum grade of D or BIO 355 with a minimum grade of D.

## **NEUS 448. Neuro Research Capstone II. 0 Hours.**

This course is designed to permit students to learn a research technique and obtain training in the use of scientific methodology in the field of neuroscience under conditions where awarding course credit is inappropriate. Such conditions include research conducted as part of a paid stipend, research conducted in off-campus laboratories, or research conducted as part of another college course. Specific course objectives include: hands-on experience in a neuroscience research technique, learning appropriate data collection and analysis techniques, and learning how conclusions based on empirical data are formed and disseminated as research articles.

## **NEUS 480. Advanced Topics in Neuroscience. 1 to 4 Hours.**

Selected topics in Neuroscience at the advanced level.