**AS.290 (Behavioral Biology)**

**AS.290.101. Human Origins. 3 Credits.**
This course examines the origins of human structure, function and behavior from an evolutionary perspective. It includes study of the evolution, behavior and behavioral ecology of nonhuman primates, hominid evolution (including the paleontological and archaeological records), and the origins of human cognition, social behavior and culture.

Area: Natural Sciences, Social and Behavioral Sciences

**AS.290.303. Animal Communication Lab. 3 Credits.**
This course examines animal communication in all modalities (especially sound, sight, and scent) across taxa. Students will learn how to design experiments, analyze results and write scientific papers in publication form. The course is held in a computer laboratory and on some occasions at "field" locations on or adjacent to campus.

Prerequisite(s): AS.200.208 OR AS.200.344
Area: Natural Sciences, Social and Behavioral Sciences

**AS.290.304. Comparative Neuroanatomy. 3 Credits.**
This course examines the phylogenetic and developmental history of the central nervous system across the vertebrate tree of life, with emphasis on the deep history of those features that characterize the human brain. We will study how our understanding of non-human vertebrates (both model and non-model organisms) can provide important insights into the structure and function of the modern human brain.

Prerequisite(s): (AS.080.305 AND AS.080.306) OR AS.200.141
Area: Natural Sciences

**AS.290.400. Comparative Neural Systems and Behavior Research Discussions. 0.5 Credits.**
This course is required concurrently with research in the Comparative Neural Systems Research and Behavior lab. During the scheduled meetings we will discuss scientific papers, policies and procedures, research ethics and other information related to activities in the lab. At the end of the semester, students will present their research in groups. This course is open to students doing research in the Neural Systems and Behavior Lab.

**AS.290.420. Human Sexual Orientation. 3 Credits.**
This course will examine the historical and current theories of sexual orientation and sexual variation development by examining the biological, psychological and social contributing factors that influence the development of sexual orientations and variations along with treatment and modification of problematic sexual behaviors. Students may enroll in both AS.200.204 and AS.290.420, but cannot do so in the same semester. Priority given to Behavioral Biology majors. Note: For credit towards a Psychology major, students should register for AS.200.204 Human Sexuality, rather than this course.

Prerequisite(s): Students may receive credit for either AS.200.204 or AS.290.420, but not both.
Corequisite(s): Students may enroll in both AS.200.204 and AS.290.420, but cannot do so in the same semester.
Area: Social and Behavioral Sciences

**AS.290.490. Senior Seminar: Behavioral Biology. 1 Credit.**
Great ideas in Behavioral Biology. Discussion of classic and cutting edge articles in the original literature. Student presentations and reaction papers. Capstone course for senior Behavioral Biology majors.

Prerequisite(s): AS.290.101 AND AS.200.208 AND AS.200.208 AND AS.200.208, or Instructor permission.; (AS.290.101 AND AS.200.208 AND AS.200.141) or Instructor permission.
Area: Social and Behavioral Sciences

**AS.290.500. Connections in Behavioral Biology. 0.5 Credits.**
In this seminar, students discuss the intellectual merit of current or potential future research, internship and outreach activities in Behavioral Biology. This course is designed to 1) expose Behavioral Biology majors to new knowledge in the field, 2) provide the opportunity to develop oral and written communication skills, and 3) build community among students in the major. Students will make oral presentations and write a short paper/news piece or prepare a webpage.

Prerequisite(s): You must request Independent Academic Work using the Independent Academic Work form found in Student Self-Service: Registration & Online Forms.

**AS.290.501. Behavioral Biology Research - Freshmen. 1 - 3 Credits.**
Prerequisite(s): You must request Independent Academic Work using the Independent Academic Work form found in Student Self-Service: Registration & Online Forms.

**AS.290.502. Research-Freshmen. 1 - 3 Credits.**
Prerequisite(s): You must request Independent Academic Work using the Independent Academic Work form found in Student Self-Service: Registration & Online Forms.

**AS.290.503. Behavioral Biology Research-Behavioral Biology Majors. 1 - 3 Credits.**
Prerequisite(s): You must request Independent Academic Work using the Independent Academic Work form found in Student Self-Service: Registration & Online Forms.

**AS.290.504. Behavioral Biology Research-Behavioral Biology Majors. 1 - 3 Credits.**
Prerequisite(s): You must request Independent Academic Work using the Independent Academic Work form found in Student Self-Service: Registration & Online Forms.

**AS.290.505. Behavioral Biology DUS Approved Research. 1 - 3 Credits.**
Prerequisite(s): You must request Independent Academic Work using the Independent Academic Work form found in Student Self-Service: Registration & Online Forms.

**AS.290.506. Research-Juniors. 1 - 3 Credits.**
Prerequisite(s): You must request Independent Academic Work using the Independent Academic Work form found in Student Self-Service: Registration & Online Forms.

**AS.290.507. Research-Seniors. 1 - 3 Credits.**
Prerequisite(s): You must request Independent Academic Work using the Independent Academic Work form found in Student Self-Service: Registration & Online Forms.

**AS.290.508. Research-Seniors. 1 - 3 Credits.**
Prerequisite(s): You must request Independent Academic Work using the Independent Academic Work form found in Student Self-Service: Registration & Online Forms.
AS.290.510. Comparative Neural Systems and Behavior Research Discussions. 0.5 Credits.
This course is required concurrently with research in the Comparative Neural Systems Research and Behavior lab. During the scheduled meetings we will discuss scientific papers, policies and procedures, research ethics and other information related to activities in the lab. At the end of the semester, students will present their research in groups.
Prerequisite(s): You must request Independent Academic Work using the Independent Academic Work form found in Student Self-Service: Registration &gt; Online Forms.

AS.290.519. Independent Study. 1 - 3 Credits.
Prerequisite(s): You must request Independent Academic Work using the Independent Academic Work form found in Student Self-Service: Registration &gt; Online Forms.

AS.290.520. Independent Study. 1 - 3 Credits.
Prerequisite(s): You must request Independent Academic Work using the Independent Academic Work form found in Student Self-Service: Registration &gt; Online Forms.

AS.290.590. Behavioral Biology Internship. 1 - 3 Credits.
Prerequisite(s): You must request Independent Academic Work using the Independent Academic Work form found in Student Self-Service: Registration &gt; Online Forms.

AS.290.594. Behavioral Biology Internship. 1 Credit.
Prerequisite(s): You must request Independent Academic Work using the Independent Academic Work form found in Student Self-Service: Registration &gt; Online Forms.

AS.290.595. Behavioral Biology Research - Freshmen. 1 - 3 Credits.
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Prerequisite(s): You must request Independent Academic Work using the Independent Academic Work form found in Student Self-Service: Registration &gt; Online Forms.

AS.290.596. Behavioral Biology Internship. 1 - 3 Credits.
Prerequisite(s): You must request Independent Academic Work using the Independent Academic Work form found in Student Self-Service: Registration &gt; Online Forms.

AS.290.597. Behavioral Biology Research-Behavioral Biology Majors. 1 - 3 Credits.
Prerequisite(s): You must request Independent Academic Work using the Independent Academic Work form found in Student Self-Service: Registration &gt; Online Forms.