

ANS 493: Research Experience in the Animal Sciences

Course description

This course provides an opportunity for students to gain real-world experience in a scientific research program. A minimum of 45 hours must be completed for each credit hour earned, with 3 credit hours maximum for each experience. The experience must be arranged by the student and approved by the Department of Animal Science prior to the start of the experience. To gain approval, a student must submit the completed ANS 493 contract and have it approved by his/her research supervisor, academic advisor and the ANS 493 coordinator. In addition to the work described in the contract, a student will complete a series of reflective assignments during and at the end of the experience.

Student learning outcomes

After completing ANS 493, students should be able to:

- Describe the goal of the research project and his/her specific role in that project.
- Describe the professional competencies and knowledge he/she developed or deepened through the research experience.
- Explain how he/she applied formal in-class experiences to the research experience.
- Describe how the research experience contributed to the achievement of his/her academic or career goals.
- Explain how his/her understanding of the nature and practice of science was impacted by the research experience.

Course schedule

There are no set meeting times for ANS 493. The work schedule is by agreement between the student and his/her research supervisor. Time commitment is expected to be a minimum of 45 hours engaged in the learning experience (including all work expectations specified by the supervisor) for every 1 credit hour earned, plus time spent on the assignments that will be submitted. Due dates for assignments are provided on the course Moodle site and will be announced at the beginning of the semester.

Instructor/Coordinator

Dr. Paul Siciliano

Office: 919-515-7690

Email: paul_siciliano@ncsu.edu

Please contact me to set up an appointment.

Transportation

Students will need to provide their own transportation to experiences held off-campus.

Prerequisites and Restrictions

None

Requirements for Auditors (AU)

This course cannot be audited.

Moodle Website and Electronically-Hosted Course Components

You will submit required materials via the course Moodle site or other website site specified by the Coordinator. Students may be required to disclose personally identifiable information to other students

in the course, via electronic tools like email or web-postings, where relevant to the course. Examples include online discussion of class topics. All students are expected to respect the privacy of each other by not sharing or using such information outside the course.

Graded components

There are three assignments with due dates spread throughout the experience with due dates announced at the beginning of the semester. The first assignment (20%), due prior to initiating the experience, involves describing, in detail, the nature of the learning experience and the student's expectations for that experience. The second assignment (30%), due approximately half way through the experience, involves a detailed reflection on knowledge and skills gained or deepened during the experience as well as how the student's academic studies relate to the learning experience, and what needs to be changed or improved before the experience concludes. The third assignment (50%), due after the experience has been completed, involves creating a scripted 3-5 minute video or narrated PowerPoint presentation detailing the experience with a reflection component about what the student learned from the experience and how the student has grown academically, personally and professionally, as a result of the experience. The video should be a documentary of the experience (i.e., contain footage of the student participating in the experience, demonstrating new skills learned etc...). If the organization offering the research experience prohibits photography or videography, the student must provide documentation of that restriction from the organization and can create a narrated PowerPoint presentation using stock photos instead of demonstrating a new skill, etc. The video should be well organized and of high audio and video quality, using Mediasite or other similar software approved by the Coordinator.

To earn an 'S' for this course, a student must complete all assignments by the due date and must earn at least 70% on the assignments. If the supervisor requires an additional assignment (i.e., paper, poster, presentation) and wants that assignment to contribute to the grade calculation, the student must complete that additional assignment with at least 70% in addition to the three assignments mentioned in the previous paragraph.

Policies on Incomplete Grades and Late Assignments

Incompletes are allowed only at the discretion of the experience supervisor and the ANS 493 coordinator. Detailed arrangements for completion of the required work must be made prior to the end of final exams for the semester in which the student is enrolled. It is the student's responsibility to make sure these arrangements are made with the experience supervisor and communicated to the Coordinator.

If an extended deadline is not authorized by the supervisor or the department, an unfinished incomplete grade will automatically change to a U after either (a) the end of the next regular semester in which the student is enrolled (not including summer sessions), or (b) the end of 12 months if the student is not enrolled, whichever is shorter. Incompletes that change to U will count as an attempted course on transcripts. The burden of fulfilling the assignments associated with an incomplete grade is the responsibility of the student. The university policy on incomplete grades is located at <http://policies.ncsu.edu/regulation/reg-02-50-3>.

Accommodations for Disabilities

Reasonable accommodations will be made for students with verifiable disabilities. In order to take advantage of available accommodations, students must register with the Disability Services Office at Suite 2221, Student Health Center, Campus Box 7509, 919-515-7653. For more information on NC

State's policy on working with students with disabilities, please see the Academic Accommodations for Students with Disabilities Regulation (REG02.20.01).

Non-Discrimination Policy

NC State University provides equality of opportunity in education and employment for all students and employees. Accordingly, NC State affirms its commitment to maintain a work environment for all employees and an academic environment for all students that is free from all forms of discrimination. Discrimination based on race, color, religion, creed, sex, national origin, age, disability, veteran status, or sexual orientation is a violation of state and federal law and/or NC State University policy and will not be tolerated. Harassment of any person (either in the form of quid pro quo or creation of a hostile environment) based on race, color, religion, creed, sex, national origin, age, disability, veteran status, or sexual orientation also is a violation of state and federal law and/or NC State University policy and will not be tolerated. Retaliation against any person who complains about discrimination is also prohibited. NC State's policies and regulations covering discrimination, harassment, and retaliation may be accessed at <http://policies.ncsu.edu/policy/pol-04-25-05> or http://www.ncsu.edu/equal_op/. Any person who feels that he or she has been the subject of prohibited discrimination, harassment, or retaliation should contact the Office for Equal Opportunity (OEO) at 919-515-3148.

Academic Integrity

Students are required to comply with the university policy on academic integrity found in the Code of Student Conduct found at <http://policies.ncsu.edu/policy/pol-11-35-01>.

Academic Honesty

See <http://policies.ncsu.edu/policy/pol-11-35-01> for a detailed explanation of academic honesty.

Honor Pledge

Your signature on any assignment indicates "I have neither given nor received unauthorized aid on this test or assignment."