



## Undergraduate Research Experience Non-Credit Course Guidelines and Syllabus ATS/ENSC/GEO/GEOG/OC 003

**Experience Name:** Undergraduate Research Experience

**Coordinating College, Department, Unit:** College of Earth, Ocean, & Atmospheric Sciences

**Time Commitment:** 10 weeks (3 hours/week minimum)

**Instructor/advisor/mentor names:** Andrea Nelson

**Instructor/advisor/mentor emails:** Andrea.Nelson@oregonstate.edu

**Instructor/advisor/mentor phone:** 541-737-1274

**Link to Instructor/advisor/mentor bio:** <https://ceoas.oregonstate.edu/profile/nelsona/>

**Teaching Assistant name and contact info:** Administration of course handled centrally by Dr. Nelson and team. Individual OSU faculty engage in providing this course experience. Students complete approval form with faculty research mentor who is assigned in Banner at time of experience approval and provide final grading of "SC" or "NSC."

### Course Description

This non-credit undergraduate research experience is designed for students to engage in independent academic inquiry or investigation that is original, intellectual, or creative and contributes to their discipline under the guidance of a faculty mentor (Mission Statement, Council on Undergraduate Research). Through the research experience students acquire skills, techniques, and knowledge relevant to their field of study. In consultation with a faculty mentor, students will engage in research activity, and make and execute a plan for a project that meets the learning outcomes outlined below, and present their work in a public forum such as the OSU Celebration of Undergraduate Excellence (CUE), the Summer Undergraduate Research Symposium (SURS), or other approved forum.

### Student Learning Outcomes

- Participate in data collection and/or analysis to address a specific research question
- Demonstrate increased awareness of research methodologies and/or analysis techniques
- Demonstrate skills have been gained in research methodologies and/or analysis techniques
- Reflect on the research, identifying lessons learned, strengths, and ways to improve
- Demonstrate an ability to communicate research to others
- Demonstrate an ability to articulate the relevance of the experience to coursework and professional future

### Assessment of Student Learning

*Students' non-credit course registration will result in the "SC- successful completion" mark on their transcript for a non-credit undergraduate research experience after satisfying the following requirements, verified by the OSU faculty member in consultation with the CEOAS Experiential Learning Coordinator:*

- At least thirty (30) hours of student engagement in activities related to the planning and execution of the research project (3 hours per week over 10 weeks)
- Regular attendance and participation in research team meetings with faculty and/or graduate student mentors.
- Regular documentation and reflection on progress, challenges, and accomplishments. Formats of reflection include, but are not limited to, lab notebooks, short essays, visual displays, blog posts, and journal entries.
- A culminating public presentation of one's work to an audience that extends beyond that of the immediate research group. Venues of presentations include, but are not limited to Celebrating Undergraduate Excellence (CUE) spring symposium, Summer Undergraduate Research Symposium (SURS), and others
- A written report summarizing the main research findings, associated challenges, and broader implications of the work.

Failure to complete these requirements will result in the “NSC- Non-successful completion” mark on their transcript.

### **Statement Regarding Students with Disabilities**

Accommodations for students with disabilities are determined and approved by Disability Access Services (DAS). If you, as a student, believe you are eligible for accommodations but have not obtained approval please contact DAS immediately at 541-737-4098 or at <http://ds.oregonstate.edu>. DAS notifies students and faculty members of approved academic accommodations and coordinates implementation of those accommodations. While not required, students and faculty members are encouraged to discuss details of the implementation of individual accommodations.

### **Accessibility**

If you require accommodations please contact [Disability Access Services \(DAS\)](#).

Additionally, Canvas, the learning management system through which this course is offered, provides a [vendor statement](#) certifying how the platform is accessible to students with disabilities.

### **Expectations for Student Conduct**

Student conduct is governed by the university’s policies, as explained in the [Student Conduct Code](#).

### **Academic Integrity**

Students are expected to comply with all regulations pertaining to academic honesty. For further information, visit [Student Conduct and Community Standards](#), or contact the office of Student Conduct and Mediation at 541-737-3656.