

UROP Seminar 291 – Spring 2022

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Description: The Undergraduate Research Opportunity (UROP) Seminar complements the research you are doing with your faculty mentor in your UROP Apprenticeship. The course seeks to help you get the most out of your experience as a research apprentice. Through your work in the Seminar, you will:

- Better understand practices common to research endeavors,
- Learn how to communicate professionally to your faculty and research colleagues,
- Learn how to present your research activities to both specialized and general audiences,
- Develop your abilities to work collaboratively with your peers from different disciplines,
- Practice speaking intelligently about the local and larger significance of the research you are undertaking,
- Examine the ethical and safety implications of a variety of research tasks,
- Think creatively and proactively about your future academic and professional goals.

Course Requirements: This is a one-credit Seminar that meets in person on Tuesdays from 3:30-4:20pm. Students in this Seminar must be concurrently working with a faculty mentor. Because of the nature of this credit-bearing course, attendance, active and thoughtful participation, and prompt and meaningful completion of assignments are key requirements.

Assignments: You will be completing a range of short in- and outside-class assignments, including maintaining a research log, preparing a professional research abstract, and presenting the outcomes of your research experience. The assignments will constitute a total of 65% of your course grade, including 10% for a research log and 15% for a final research abstract. (See grading below).

Participation: Students are expected to contribute to class discussions, to share their experiences from their research partnerships, and to support the efforts of their classmates. This is especially important since we will be discussing current research in your fields. Participation will constitute 15% of your course grade. An additional 15% of your grade will be determined by a final presentation to the class.

Attendance: Weekly attendance is required. You will be allowed to miss two classes before your grade will be affected (for example, three absences would lower an A to an A-; five absences would lower an A to a B). In accordance with University policies, we do not use “excused absences” in this course. If you are absent, you are simply absent. You do not have to turn in an excuse, but it would be very helpful if you notified me in advance of known conflicts.

In the case of an absence, students are responsible for finding out about missed assignments by making an appointment.

Grading: Final grades will be based on the materials you submit over the course of the semester and the records of your class participation. The grading breakdown is as follows:

30% Attendance and Participation (Includes Discussion Posts)

30% Short Assignments (Abstract Drafts, Faculty Interview, and Campus Talk)

10% Research Log

15% Presentation

15% Final research abstract

General Expectations:

- Treat your peers, fellows, and the directors of the program with respect.
- Keep up to date on all assignments – writing and/or reading.
- Show up prepared and on time for the seminar.
- Engage in classroom discussions and activities.
- Keep us informed about problems in your research.
- Keep an open mind and have fun!

If you require any accommodations to meet any of the requirements of this course, please inform me as soon as possible. Have a great semester!

UROP Seminar Calendar Spring 2022

Please note: This calendar is subject to change – I will update you to changes during class or via Canvas.

| Week | Covered in Class | Assignments Introduced | Assignments Due |
|----------------------------|---|-------------------------------|-------------------------|
| 1 Jan 25 th | Introductions. Syllabus Review. What is research? | Research Log Assignments | |
| 2 Feb 1 st | How do you do research? What aspects of research are you unclear about? Discuss Research Group Personnel | Campus Talk | |
| 3 Feb 8 th | Where does my research mentor fit in to the greater disciplinary community? Library Resources. | Faculty Interview | |
| 4 Feb 15 th | How do you present research findings? Read abstract examples. Writing an abstract. Group feedback. | Abstract Draft 1 | Check on Research Logs |
| 5 Feb 22 nd | Feedback on first drafts | | Abstract Draft 1 |
| 6 Feb 29 th | Feedback on first drafts | Abstract Draft 2 | |
| 7 Mar 8 th | Feedback on second draft and SURF discussion | | Abstract Draft 2 |
| 8 Mar 15 th | Conference Poster Workshop | | Abstracts for Symposium |
| 9 Mar 22 nd | Spring Break | | |
| 10 Mar 29 th | What are the rules of research? Research Ethics | | |
| 11 Apr 5 th | What happens to research results? | | |
| 12 Apr 12 th | How do I communicate my role in research? In-class technical vs. lay description of your research. | | |
| 13 Apr 19 th | Student Visit and Discussion | | |
| 14 Apr 26 th | NSF/REU information. Discuss McNair Program | | Faculty Interview |
| 15 May 3 rd | Discuss final presentation What research might you do in the future? Graduate School and discuss Professional Timeline. | | Campus Talk Assignment |
| 16 May 10 th | Final Presentations | | Final Research Logs |