

## **GEOG 498: Geospatial Project Design**

Term:	Fall 2019
Class Times:	Monday 4-5:20pm 445 McKenzie (Lab) Wednesday 4-5:20pm 206 Condon (Discussion)
Professor:	Dr. Carolyn Fish Assistant Professor of Geography 165 Condon Hall <a href="mailto:cfish11@uoregon.edu">cfish11@uoregon.edu</a> Office Hours: 10:00-noon on Wednesday or by appointment
Readings:	Readings will be posted on Canvas one week before discussion.
Course Description:	This class is designed to help students understand working with clients on a GIS project. With the goal of being inclusive and ethical, this course will teach students through active learning, discussion, and technology how to conduct a GIS project to tell stories which connect with people that are relevant to society and the environment.
Course Objectives:	After completing this course, students should be able to: <ul style="list-style-type: none"><li>• Effectively read peer-reviewed academic articles</li><li>• Begin to synthesize across articles and connect content to practical aspects of the course</li><li>• Provide feedback to peers on presentation</li><li>• Connect, communicate, and understand goals of a GIS client</li><li>• Understand roles within a GIS Project</li><li>• Work effectively with a group to complete a GIS project and tell a story with geographic information</li></ul>
Attendance Policy:	<p>You are expected to attend class. Attendance will be taken at each discussion and lab. You have a grace of <u>2</u> absences. After two, one percentage point is deducted from your final grade for each additional absence.</p> <p>For example, a student with a 78% in the course who has five absences would be penalized 3% and their grade will drop to 75%.</p> <p>You do not need to provide the professor with information for any absences. You may use them at your own discretion; however, you should use these absences wisely since any absences (no matter the reason) will be counted against your grade after you have used your “grace absences”.</p>
Assignments:	10% Present article with partner or group of three – 1x per term 5% Peer-review of article presentation – 1x per term 50% Reflection papers ~5 per term

- 5% Participation (every discussion/lab)
- 30% Final Group Project
  - a. Project Plan (5%)
  - b. Storyboarding (5%)
  - c. Final Group Presentation (5%)
  - d. Final Project Group Report (10%)
  - e. Group Contribution Report (5%)

Grading:	A+	95-100	C+	77-79.9
	A	92-94.9	C	74-76.9
	A-	90-91.9	C-	70-73.9
	B+	87-89.9	D+	67-69.9
	B	84-86.9	D	64-66.9
	B-	80-83.9	D-	60-63.9
			F	59.9 and below

**Present Article:** During Week I, Students will sign up for one week to present two peer-reviewed articles with a partner or group of three to the class. Students will read the article, follow guidelines from the professor, work with their partner or group, and present key points to the other students. Students can use Powerpoint if they choose, discuss without visuals, or use the board. If students use Powerpoint, they should upload the file to Canvas before class starts.

**Peer-review of Article Presentation:** Students will sign up during Week I to peer-review one group on their presentation. Students will be provided with a form for offering feedback for their fellow students which will be uploaded to Canvas within 1 week of the presentation and shared with the presenting group.

**Reflection Papers:** After each week of discussion/readings students will write a short reflection paper (300-500 words) which discusses main arguments of the readings, compare and contrast/synthesize, and connect to the final project. These will be uploaded to Canvas.

**Participation:** During discussion, students are expected to actively discuss and contribute. During lab meetings there will be small assignments outside of the group project, students are expected to complete these small assignments.

**Final Group Project:** The main part of this course is a final group project. Students will divide into two groups. Students will complete several assignments along the way.

- a. **Project Plan** – Students will conduct a project plan during discussion and lab in Weeks 2 & 3. One plan per group will be submitted on Canvas. This will help guide the project.
- b. **Storyboarding** – Groups will produce a storyboard outside of the StoryMap web tools to make a plan for how they will make the final StoryMap for the client.
- c. **Final Group Presentation** – Students will present their final StoryMap and project to the clients in Week 10 or Finals Week (depending on availability of the client)

d. **Final Project Group Report** – Students will submit a final report to the professor and clients during Finals Week.

e. **Group Contribution Report** – Students will complete a report on their own activity and the activity of their group at the end to reduce freeloading.

Late Assignments: Assignments are considered late after 1 minute past the deadline. 10% will be deducted each day an assignment is late. Zeros are given after 10 days late.

Student Accessibility: The University of Oregon is working to create inclusive learning environments. Please notify the professor if there are aspects of the instruction or design of this course that result in disability-related barriers to your participation. You are also encouraged to contact the Accessible Education Center (AEC) in 360 Oregon Hall at 541-346-1155 or [uoaec@uoregon.edu](mailto:uoaec@uoregon.edu).

Students registered with AEC must send a notification letter to the professor during Week 1 or 2 of the term and must meet with the professor during this time to assure that the professor is providing appropriate accommodations for the student.

Student Conduct: The University Student Conduct Code (available at <https://dos.uoregon.edu/conduct>) defines academic misconduct. Students are prohibited from committing or attempting to commit any act that constitutes academic misconduct. By way of example, students should not give or receive (or attempt to give or receive) unauthorized help on assignments or examinations without express permission from the instructor. Students should properly acknowledge and document all sources of information (e.g. quotations, paraphrases, ideas) and use only the sources and resources authorized by the instructor. If there is any question about whether an act constitutes academic misconduct, it is the students' obligation to clarify the question with the instructor before committing or attempting to commit the act. Additional information about a common form of academic misconduct, plagiarism, is available at [researchguides.uoregon.edu/citing-plagiarism](http://researchguides.uoregon.edu/citing-plagiarism).

*The professor of this course reserves the right to change aspects of this syllabus at any time during the term. Students will be informed if and when this occurs.*

	Date	Activity	Reading (Subject to Change)	What's due
1	Oct 2 W	Introduction to GEOG 498		
2	Oct 7 M	<b>Lab:</b> Introduction to ArcGIS/Illustrator	Read about Beyond Toxics	
	Oct 9 W	Project Presentation: Beyond Toxics/Making a Project Plan	Reading about Project Management	
3	Oct 14 M	<b>Lab:</b> Making a Project Plan		Project Plan due at end of lab
	Oct 16 W	No Class: NACIS Conference	How to Read an Article videos and reading	
4	Oct 21 M	<b>Lab:</b> Getting data from Beyond Toxics into GIS		
	Oct 23 W	What is cartography? History of cartography research	Montello, TBD (Critical Cart)	
5	Oct 28 M	<b>Lab:</b> Do we need additional data? Evaluating our project a few weeks in		
	Oct 30 W	Ethics in Cartography/GIS, Mapping for the SDGs	Elwood and Wilson, Robinson et al.	Reflection 1 due
6	Nov 4 M	<b>Lab:</b> Storyboard Project		Storyboard due at end of lab
	Nov 6 W	Mapping Inequality : Shiloh Deitz guest lecture	Deitz and Meehan, McNeil and Culcasi	Reflection 2 due
7	Nov 11 M	<b>Lab:</b> How to make a story map		
	Nov 13 W	Storytelling in Map Design Research	Mocnik and Fairbairn, Caquard and Cartwright	Reflection 3 due
	Nov 18 M	<b>Lab:</b> TBD (Final Project)		
8	Nov 20 W	Feminist and Community Mapping	Boll-Bosse and Hankins, TBD (Feminist mapping)	Reflection 4 due
9	Nov 25 M	<b>Lab:</b> Reflection- How could we make this project better?		
	Nov 27 W	No lecture: Write up draft of work contribution in group project	None	Reflection 5 due
10	Dec 2 M	<b>Lab:</b> Putting it all together, making our GIS Project into a StoryMap		
	Dec 4 W	How do I communicate with stakeholders?	Kinkaid, TBD (communication/public speaking)	Presentation?
Finals Week		<b>Final Project Presentation (may need to be in Week 10 if clients are not available in Finals Week) &amp; Report Due</b>		Final Project Report, Presentation, Group Contribution Report

Shaded: Lecture Day

Not Shaded: Lab Day