

Course Syllabus

[Jump to Today](#)

 [Edit](#)

Class Times:

Monday & Wednesday

12:30-1:30pm

Meet on Zoom (unless otherwise specified)

Meeting ID: <https://uoregon.zoom.us/j/95863742146> [.\(https://uoregon.zoom.us/j/95863742146\)](https://uoregon.zoom.us/j/95863742146)

Professor:

Dr. Carolyn Fish

Assistant Professor of Geography

165 Condon Hall

cfish11@uoregon.edu (<mailto:cfish11@uoregon.edu>)

Dr. Fish's Office Hours:

9-11am on Tuesdays.

Schedule a 15 minute slot here: <https://drfishofficehours.as.me/> [.\(https://drfishofficehours.as.me/\)](https://drfishofficehours.as.me/)

Dr. Fish's Office Hour Zoom: <https://uoregon.zoom.us/j/92764561780>

[.\(https://uoregon.zoom.us/j/92764561780\)](https://uoregon.zoom.us/j/92764561780)

If Office Hours are not a good time for you to meet:

1. Send me an email with your availability.
2. I will reply and hopefully we can find a good time
3. I will send a Google Calendar invite with our agreed upon time and Zoom info or phone number
4. It is your responsibility to "Accept" the Google Calendar invite

Teaching Assistants (GEs):

Geoffrey Johnson

PhD Candidate in Geography

gmj@uoregon.edu (<mailto:gmj@uoregon.edu>)

Geoffrey's Office Hours: Monday 11:30-12:30 & Thursday 11am-12pm

Zoom Info on Canvas Zoom Meetings tab

Nathaniel Douglass

Masters Student in Geography

ndougla7@uoregon.edu (<mailto:ndougla7@uoregon.edu>)

Nathaniel's Office Hours: Wednesday 11:30-12:30 & Thursday 2pm-3pm

Zoom Info on Canvas Zoom Meetings tab

Weekly Structure:

Mondays:

1. Class content opens (8am)- Canvas
 1. Videos
 2. Class Quiz (due on Sunday at 11:59pm)
2. Live Short Lecture to orient you to the videos & the week's assignments & content (12:30pm)- Zoom

Wednesday:

1. Lab content opens (8am) -Canvas
 1. Lab videos
 2. Lab assignment/quiz
2. Live discussion and/or in-class activity (12:30pm)- Zoom

Wednesday/Thursday/Friday (Depending on your lab section):

1. Live Lab section with your GE (Geoffrey or Nate) - Zoom
2. Lab Assignments due at 11:59pm the night before your next lab for 1 week labs, 2 week labs give you one extra live lab section to attend to work with your GE and get help if needed- Canvas

Sunday:

1. Class Quiz due at 11:59pm - Canvas

Readings:

Textbook readings in <https://open.umn.edu/opentextbooks/textbooks/essentials-of-geographic-information-systems> [_\(https://open.umn.edu/opentextbooks/textbooks/essentials-of-geographic-information-systems\)_](https://open.umn.edu/opentextbooks/textbooks/essentials-of-geographic-information-systems).

This is a free online textbook. The majority of class content/quizzes comes from lecture videos/live Zoom discussions & in-class activities, but this book might be helpful if you want more explanation beyond what comes out of my mouth.

Course Description:

This class is an introduction to concepts behind organizing, analyzing, and visually presenting geospatial information. This class addresses three major questions:

1. How can one sense and represent the variation in the world around us?
2. How to record, recall, and analyze this information?
3. How to communicate and discuss this information with others?

GIScience 1 explores these questions through the applied use of software designed to facilitate the collection, analysis, symbolization, and communication of information about the world; that is to turn observations of the real world into information useful for acting in the real world. This is often done with maps, and much of the work will involve the creation of maps.

Course Objectives:

After completing this course, students should be able to:

- Plan and execute basic GIS analysis using a software application framework.
- Communicate the results of an analysis through language and graphics.
- Articulate the characteristics of and differences between data representations.
- Identify and critique choices made in map design.
- Critically evaluate geospatial arguments in popular media.
- Develop skills in information-seeking.

Attendance Policy:

Please try to show up to live Zoom sessions as much as you are able. All Zoom sessions are recorded, but we will be doing some in-class activities during those sessions and so you will benefit the most by being there and participating. However, I understand that this is an incredibly complicated and difficult time. Internet and other technology availability is not equal and you may be juggling more than you anticipated (kids, pets, parents, roommates, etc) without being able to find an escape. Just do your best. You will not be penalized for not turning on your cameras.

Finally, you **never** need to tell me why you missed class. I respect your privacy, and I believe you whenever you say you can't make it. I do not need to know any more.

Zoom Policies:

Please be respectful to me and your fellow classmates during Zoom sessions. Try to pay attention, turn on your camera if you can, and close other windows and tabs in your browser so you can focus.

Use the Zoom chat to ask questions and share links or other info during discussions. Speaking from experience though, I suggest avoiding the private chat.

Don't tempt the Zoom Fates by not wearing pants, otherwise, I couldn't care less what you wear as long as you wear clothes.

Grading:

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

Assignments:

Weekly Class Quizzes (10 per term) - 40%:

Opens on Monday at 8am. Due Every Sunday at 11:59pm.

Quizzes will include ~10 Multiple Choice questions which will be based on:

1. Lecture Videos
2. Live Zoom Discussions/In-class activities

Lab Assignments (6 per term) - 60%:

Open on Wednesdays at 8am. Due at 11:59pm the night before your next lab. Some lab assignments are two-weeks long so you have a little more time.

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> (<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.











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.










Course Summary:










Date	Details
------	---------










Date	Details	
Tue Sep 29, 2020	 GEOG 481: Week 1 Class Module Opens https://canvas.uoregon.edu/calendar?event_id=169858&include_contexts=course_167975	8am
Wed Sep 30, 2020	 GEOG 481: Lab Module Opens https://canvas.uoregon.edu/calendar?event_id=169883&include_contexts=course_167975	8am
Wed Sep 30, 2020	 GEOG 481: Intro to Syllabus & GIScience Discussion & Question Session Live on Zoom https://canvas.uoregon.edu/calendar?event_id=166328&include_contexts=course_167975	12:30pm to 1:30pm
Sun Oct 4, 2020	 Week 1 Quiz https://canvas.uoregon.edu/courses/167975/assignments/962028	due by 11:59pm
Mon Oct 5, 2020	 GEOG 481: Week 2 Class Module Opens https://canvas.uoregon.edu/calendar?event_id=169859&include_contexts=course_167975	8am
Mon Oct 5, 2020	 GEOG 481: Short Lecture to Introduce You to This Weeks Content- Live on Zoom https://canvas.uoregon.edu/calendar?event_id=166339&include_contexts=course_167975	12:30pm to 1:30pm
Tue Oct 6, 2020	 Lab Assignment: Getting to Know VMWare, Windows Explorer, SSIL & ArcGIS Pro https://canvas.uoregon.edu/courses/167975/assignments/957848 (GEOG 581 (CRN 12885))	due by 11:59pm
Tue Oct 6, 2020	 Lab Assignment: Getting to Know VMWare, Windows Explorer, SSIL & ArcGIS Pro https://canvas.uoregon.edu/courses/167975/assignments/957848 (GEOG 481 (CRN 12868))	due by 11:59pm
Wed Oct 7, 2020	 GEOG 481: Lab Module Opens https://canvas.uoregon.edu/calendar?event_id=169884&include_contexts=course_167975	8am









Date	Details	
	 GEOG 481: Discussion & In-class Activity Live on Zoom (watch videos before class!). https://canvas.uoregon.edu/calendar?event_id=166329&include_contexts=course_167975)	12:30pm to 1:30pm
	 Lab Assignment: Getting to Know VMWare, Windows Explorer, SSIL & ArcGIS Pro https://canvas.uoregon.edu/courses/167975/assignments/957848) (GEOG 481 (CRN 12870))	due by 11:59pm
	 Lab Assignment: Getting to Know VMWare, Windows Explorer, SSIL & ArcGIS Pro https://canvas.uoregon.edu/courses/167975/assignments/957848) (GEOG 581 (CRN 12887))	due by 11:59pm
	 Lab Assignment: Getting to Know VMWare, Windows Explorer, SSIL & ArcGIS Pro https://canvas.uoregon.edu/courses/167975/assignments/957848) (GEOG 481 (CRN 12869))	due by 11:59pm
Thu Oct 8, 2020	 Lab Assignment: Getting to Know VMWare, Windows Explorer, SSIL & ArcGIS Pro https://canvas.uoregon.edu/courses/167975/assignments/957848) (GEOG 481 (CRN 12871))	due by 11:59pm
	 Lab Assignment: Getting to Know VMWare, Windows Explorer, SSIL & ArcGIS Pro https://canvas.uoregon.edu/courses/167975/assignments/957848) (GEOG 581 (CRN 12888))	due by 11:59pm
Sun Oct 11, 2020	 Week 2 Quiz https://canvas.uoregon.edu/courses/167975/assignments/957661)	due by 11:59pm
Mon Oct 12, 2020	 GEOG 481: Week 3 Class Module Opens https://canvas.uoregon.edu/calendar?event_id=169860&include_contexts=course_167975)	8am










Date	Details	
	 GEOG 481: Short Lecture to Introduce You to This Weeks Content- Live on Zoom (https://canvas.uoregon.edu/calendar?event_id=166340&include_contexts=course_167975)	12:30pm to 1:30pm
	 Lab Assignment: Projections (https://canvas.uoregon.edu/courses/167975/assignments/961033) (GEOG 581 (CRN 12885))	due by 11:59pm
Tue Oct 13, 2020	 Lab Assignment: Projections (https://canvas.uoregon.edu/courses/167975/assignments/961033) (GEOG 481 (CRN 12868))	due by 11:59pm
	 GEOG 481: Lab Module Opens (https://canvas.uoregon.edu/calendar?event_id=169885&include_contexts=course_167975)	8am
	 GEOG 481: Discussion & In-class Activity Live on Zoom (watch videos before class!) (https://canvas.uoregon.edu/calendar?event_id=166330&include_contexts=course_167975)	12:30pm to 1:30pm
Wed Oct 14, 2020	 Lab Assignment: Projections (https://canvas.uoregon.edu/courses/167975/assignments/961033) (GEOG 481 (CRN 12869))	due by 11:59pm
	 Lab Assignment: Projections (https://canvas.uoregon.edu/courses/167975/assignments/961033) (GEOG 481 (CRN 12870))	due by 11:59pm
	 Lab Assignment: Projections (https://canvas.uoregon.edu/courses/167975/assignments/961033) (GEOG 581 (CRN 12887))	due by 11:59pm
	 Lab Assignment: Projections (https://canvas.uoregon.edu/courses/167975/assignments/961033) (GEOG 481 (CRN 12871))	due by 11:59pm
Thu Oct 15, 2020	 Lab Assignment: Projections (https://canvas.uoregon.edu/courses/167975/assignments/961033) (GEOG 581 (CRN 12888))	due by 11:59pm










Date	Details	
Sun Oct 18, 2020	 Week 3 Quiz https://canvas.uoregon.edu/courses/167975/assignments/957662	due by 11:59pm
Mon Oct 19, 2020	 GEOG 481: Week 4 Class Module Opens https://canvas.uoregon.edu/calendar?event_id=169861&include_contexts=course_167975	8am
Mon Oct 19, 2020	 GEOG 481: Short Lecture to Introduce You to This Weeks Content- Live on Zoom https://canvas.uoregon.edu/calendar?event_id=166341&include_contexts=course_167975	12:30pm to 1:30pm
Tue Oct 20, 2020	 Lab Assignment: GIS Vector Analysis https://canvas.uoregon.edu/courses/167975/assignments/963087 (GEOG 581 (CRN 12885))	due by 11:59pm
Tue Oct 20, 2020	 Lab Assignment: GIS Vector Analysis https://canvas.uoregon.edu/courses/167975/assignments/963087 (GEOG 481 (CRN 12868))	due by 11:59pm
Wed Oct 21, 2020	 GEOG 481: Lab Module Opens https://canvas.uoregon.edu/calendar?event_id=169886&include_contexts=course_167975	8am
Wed Oct 21, 2020	 GEOG 481: Discussion & In-class Activity Live on Zoom (watch videos before class!) https://canvas.uoregon.edu/calendar?event_id=166331&include_contexts=course_167975	12:30pm to 1:30pm
Wed Oct 21, 2020	 Lab Assignment: GIS Vector Analysis https://canvas.uoregon.edu/courses/167975/assignments/963087 (GEOG 581 (CRN 12887))	due by 11:59pm
Wed Oct 21, 2020	 Lab Assignment: GIS Vector Analysis https://canvas.uoregon.edu/courses/167975/assignments/963087 (GEOG 481 (CRN 12869))	due by 11:59pm










Date	Details	
	 Lab Assignment: GIS Vector Analysis https://canvas.uoregon.edu/courses/167975/assignments/963087 (GEOG 481 (CRN 12870))	due by 11:59pm
	 Lab Assignment: GIS Vector Analysis https://canvas.uoregon.edu/courses/167975/assignments/963087 (GEOG 581 (CRN 12888))	due by 11:59pm
Thu Oct 22, 2020	 Lab Assignment: GIS Vector Analysis https://canvas.uoregon.edu/courses/167975/assignments/963087 (GEOG 481 (CRN 12871))	due by 11:59pm
Sun Oct 25, 2020	 Week 4 Quiz https://canvas.uoregon.edu/courses/167975/assignments/957664	due by 11:59pm
	 GEOG 481: Week 5 Class Module Opens https://canvas.uoregon.edu/calendar?event_id=169862&include_contexts=course_167975	8am
Mon Oct 26, 2020	 GEOG 481: Short Lecture to Introduce You to This Weeks Content- Live on Zoom https://canvas.uoregon.edu/calendar?event_id=166342&include_contexts=course_167975	12:30pm to 1:30pm
	 GEOG 481: No New Lab Module This Week (You have 2 Weeks to Complete Census Lab) https://canvas.uoregon.edu/calendar?event_id=169890&include_contexts=course_167975	8am
Wed Oct 28, 2020	 GEOG 481: Discussion & In-class Activity Live on Zoom (watch videos before class!) https://canvas.uoregon.edu/calendar?event_id=166332&include_contexts=course_167975	12:30pm to 1:30pm
Sun Nov 1, 2020	 Week 5 Quiz https://canvas.uoregon.edu/courses/167975/assignments/959233	due by 11:59pm

Date	Details	
Mon Nov 2, 2020	 GEOG 481: Week 6 Class Module Opens https://canvas.uoregon.edu/calendar?event_id=169863&include_contexts=course_167975	8am
	 GEOG 481: Short Lecture to Introduce You to This Weeks Content- Live on Zoom https://canvas.uoregon.edu/calendar?event_id=166343&include_contexts=course_167975	12:30pm to 1:30pm
Tue Nov 3, 2020	 Lab Assignment: Census Data Application https://canvas.uoregon.edu/courses/167975/assignments/963090 (GEOG 481 (CRN 12868))	due by 11:59pm
	 Lab Assignment: Census Data Application https://canvas.uoregon.edu/courses/167975/assignments/963090 (GEOG 581 (CRN 12885))	due by 11:59pm
Wed Nov 4, 2020	 GEOG 481: Lab Module Opens https://canvas.uoregon.edu/calendar?event_id=169887&include_contexts=course_167975	8am
	 GEOG 481: Discussion & In-class Activity Live on Zoom (watch videos before class!) https://canvas.uoregon.edu/calendar?event_id=169868&include_contexts=course_167975	12:30pm to 1:30pm
	 Lab Assignment: Census Data Application https://canvas.uoregon.edu/courses/167975/assignments/963090 (GEOG 481 (CRN 12869))	due by 11:59pm
	 Lab Assignment: Census Data Application https://canvas.uoregon.edu/courses/167975/assignments/963090 (GEOG 481 (CRN 12870))	due by 11:59pm
	 Lab Assignment: Census Data Application https://canvas.uoregon.edu/courses/167975/assignments/963090 (GEOG 581 (CRN 12887))	due by 11:59pm


Date	Details	
Thu Nov 5, 2020	 Lab Assignment: Census Data Application https://canvas.uoregon.edu/courses/167975/assignments/963090 (GEOG 481 (CRN 12871))	due by 11:59pm
Sun Nov 8, 2020	 Lab Assignment: Census Data Application https://canvas.uoregon.edu/courses/167975/assignments/963090 (GEOG 581 (CRN 12888))	due by 11:59pm
Mon Nov 9, 2020	 GEOG 481: Week 7 Class Module Opens https://canvas.uoregon.edu/calendar?event_id=169864&include_contexts=course_167975	8am
Wed Nov 11, 2020	 GEOG 481: Short Lecture to Introduce You to This Weeks Content- Live on Zoom https://canvas.uoregon.edu/calendar?event_id=166344&include_contexts=course_167975	12:30pm to 1:30pm
Sun Nov 15, 2020	 GEOG 481: No New Lab Module This Week (You have 2 Weeks to Complete Raster Analysis Lab) https://canvas.uoregon.edu/calendar?event_id=169891&include_contexts=course_167975	8am
Mon Nov 16, 2020	 GEOG 481: Discussion & In-class Activity Live on Zoom (watch videos before class!) https://canvas.uoregon.edu/calendar?event_id=169869&include_contexts=course_167975	12:30pm to 1:30pm
Sun Nov 15, 2020	 Week 7 Quiz https://canvas.uoregon.edu/courses/167975/assignments/957665	due by 11:59pm
Mon Nov 16, 2020	 GEOG 481: Week 8 Class Module Opens https://canvas.uoregon.edu/calendar?event_id=169865&include_contexts=course_167975	8am

Date	Details	
Tue Nov 17, 2020	 GEOG 481: Short Lecture to Introduce You to This Weeks Content- Live on Zoom https://canvas.uoregon.edu/calendar?event_id=166345&include_contexts=course_167975	12:30pm to 1:30pm
	 Lab Assignment: Raster Operations https://canvas.uoregon.edu/courses/167975/assignments/963108 (GEOG 581 (CRN 12885))	due by 11:59pm
	 Lab Assignment: Raster Operations https://canvas.uoregon.edu/courses/167975/assignments/963108 (GEOG 481 (CRN 12868))	due by 11:59pm
	 GEOG 481: Lab Module Opens https://canvas.uoregon.edu/calendar?event_id=169888&include_contexts=course_167975	8am
	 GEOG 481: Discussion & In-class Activity Live on Zoom (watch videos before class!) https://canvas.uoregon.edu/calendar?event_id=169870&include_contexts=course_167975	12:30pm to 1:30pm
Wed Nov 18, 2020	 Lab Assignment: Raster Operations https://canvas.uoregon.edu/courses/167975/assignments/963108 (GEOG 581 (CRN 12887))	due by 11:59pm
	 Lab Assignment: Raster Operations https://canvas.uoregon.edu/courses/167975/assignments/963108 (GEOG 481 (CRN 12869))	due by 11:59pm
	 Lab Assignment: Raster Operations https://canvas.uoregon.edu/courses/167975/assignments/963108 (GEOG 481 (CRN 12870))	due by 11:59pm
Thu Nov 19, 2020	 Lab Assignment: Raster Operations https://canvas.uoregon.edu/courses/167975/assignments/963108 (GEOG 481 (CRN 12871))	due by 11:59pm

Date	Details	
	 Lab Assignment: Raster Operations (https://canvas.uoregon.edu/courses/167975/assignments/963108) (GEOG 581 (CRN 12888))	due by 11:59pm
Sun Nov 22, 2020	 Week 8 Quiz (https://canvas.uoregon.edu/courses/167975/assignments/957670)	due by 11:59pm
Mon Nov 23, 2020	 GEOG 481: Week 9 Class Module Opens (https://canvas.uoregon.edu/calendar?event_id=169866&include_contexts=course_167975)	8am
	 GEOG 481: TBD (https://canvas.uoregon.edu/calendar?event_id=166346&include_contexts=course_167975)	12:30pm to 1:30pm
Wed Nov 25, 2020	 GEOG 481: No Labs This Week (Enjoy Thanksgiving) (https://canvas.uoregon.edu/calendar?event_id=169892&include_contexts=course_167975)	8am
	 GEOG 481: No Class today (enjoy Thanksgiving & a much needed break from Zoom) (https://canvas.uoregon.edu/calendar?event_id=169889&include_contexts=course_167975)	12:30pm to 1:30pm
Sun Nov 29, 2020	 Week 9 Quiz (https://canvas.uoregon.edu/courses/167975/assignments/962068)	due by 11:59pm
Mon Nov 30, 2020	 GEOG 481: Week 10 Class Module Opens (https://canvas.uoregon.edu/calendar?event_id=169867&include_contexts=course_167975)	8am
	 GEOG 481: Short Lecture to Introduce You to This Weeks Content- Live on Zoom (https://canvas.uoregon.edu/calendar?event_id=166347&include_contexts=course_167975)	12:30pm to 1:30pm

Date	Details	
Wed Dec 2, 2020	 GEOG 481: No New Lab Module This Week (You have 2 Weeks to Complete Wolverine Lab) https://canvas.uoregon.edu/calendar?event_id=169893&include_contexts=course_167975	8am
	 GEOG 481: Discussion & In-class Activity Live on Zoom (watch videos before class!) https://canvas.uoregon.edu/calendar?event_id=169872&include_contexts=course_167975	12:30pm to 1:30pm
Sun Dec 6, 2020	 Week 10 Quiz https://canvas.uoregon.edu/courses/167975/assignments/957671	due by 11:59pm
Tue Dec 8, 2020	 Lab Assignment: Elevation Surface Visualization, Analysis, and Modeling https://canvas.uoregon.edu/courses/167975/assignments/963223 (GEOG 481 (CRN 12868))	due by 11:59pm
	 Lab Assignment: Elevation Surface Visualization, Analysis, and Modeling https://canvas.uoregon.edu/courses/167975/assignments/963223 (GEOG 581 (CRN 12885))	due by 11:59pm
Wed Dec 9, 2020	 Lab Assignment: Elevation Surface Visualization, Analysis, and Modeling https://canvas.uoregon.edu/courses/167975/assignments/963223 (GEOG 481 (CRN 12869))	due by 11:59pm
	 Lab Assignment: Elevation Surface Visualization, Analysis, and Modeling https://canvas.uoregon.edu/courses/167975/assignments/963223 (GEOG 481 (CRN 12870))	due by 11:59pm
	 Lab Assignment: Elevation Surface Visualization, Analysis, and Modeling https://canvas.uoregon.edu/courses/167975/assignments/963223 (GEOG 581 (CRN 12887))	due by 11:59pm
Thu Dec 10, 2020	 Lab Assignment: Elevation Surface Visualization, Analysis, and Modeling https://canvas.uoregon.edu/courses/167975/assignments/963223 (GEOG 481 (CRN 12871))	due by 11:59pm

Date**Details**

 [Lab Assignment: Elevation Surface Visualization, Analysis, and Modeling](https://canvas.uoregon.edu/courses/167975/assignments/963223)
(<https://canvas.uoregon.edu/courses/167975/assignments/963223>)
(GEOG 581 (CRN 12888))

due by 11:59pm
