Description
This course focuses on interactive mapping for the web and covers fundamentals of spatial data display, cartography, and user interaction. Students will need to gather spatial data, develop a story or theme from their data, and produce interactive maps.

Lectures will focus on the theories and principles behind web mapping such as: establishing map goals, composition and layout, symbolization, animation, and more. Lab assignments will focus on practical applications and web design skills using cloud-based software, HTML, and CSS. Previous computer science or programming experience are helpful, but not required.

Please note: assignments can be completed on your personal computers, once text editor and file transfer software are installed, or students can remotely connect to a computer in SSIL and use the software installed there.

Course goals
- Identify and distinguish examples of static, animated, and interactive web maps
- Critique the usability of existing web maps, including visual design and accessibility choices, user interface, and interaction affordances and feedbacks
- Be able to describe a map interface with a UI/UX diagram
- Gain experience debugging code for web development
- Attain a familiarity with HTML/CSS
- Gain experience working with an API (w3 schools and mapbox)
- Design, construct, and publish an interactive web map
- Recognize and understand web color equivalents of HTML named colors, RGB, and HEX representations
- Understand fundamentals of digital fair use and copyright

Logistical information
Lecture: Mon/Wed 4 - 5:20 PM
Lab: Fri 1:30 - 1:50 PM / 2:00 - 2:50PM

Instructor: Joanna Merson
Email: jmerson@uoregon.edu
Office hours: Tues 10:00-11:00AM or by appointment.
Office hours will be held on Zoom.

Email policy
I will contact you within 48 hours of your email on normal business days. I may not be able to respond to emails on weekends or holidays so please plan accordingly.

If you have software related computer questions or problems, your email needs to be accompanied by a screenshot of the problem and a description of what you have tried so far. Remember to also consult Google and the discussion boards.
Text (or ebook)
From: Amazon, CRC Press, or RedShelf.

Classroom expectations
This is an in-person course: that means that, unlike asynchronous online/WEB courses, we will meet during scheduled class meeting times in the scheduled room. I will accommodate illness and absences as described below. If you need additional flexibility UO encourages you to consider WEB courses. If you need accommodation related to a medical or other disability, you can set those up through AEC (https://aec.uoregon.edu).

Eating and drinking in classrooms is not currently allowed at UO. We ask that class members step outside when they need to eat or drink, take medication, or anything else that necessitates taking off masks. Please feel free to do this whenever you need to—there is no need to ask permission around this. Students who may have mobility issues that make this guidance challenging should contact me.

In addition, being back in person may feel more challenging for some of us, for a variety of reasons. If you need to step outside of the room momentarily to take care of your own physical or mental needs, please feel welcome to do so.

Grading
Grading in the course will be based on the following point system:

<table>
<thead>
<tr>
<th>Course component</th>
<th>Percent</th>
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<tbody>
<tr>
<td>Assignments</td>
<td>35</td>
</tr>
<tr>
<td>Participation</td>
<td>15</td>
</tr>
<tr>
<td>Project</td>
<td>35</td>
</tr>
<tr>
<td>Exam</td>
<td>15</td>
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<tr>
<td><strong>Total possible</strong></td>
<td><strong>100</strong></td>
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</tbody>
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Late policy
Assignments are deducted 10%/day. However, because life happens, all students have the late penalty waived on one assignment during the term. Please reach out when you wish to use it - no explanation required, or it will be automatically applied at the end of the term.

Respect for diversity
“The University of Oregon requires that information and procedures for assuring and enhancing respect for diversity and human differences are included in all courses, course materials, and course policy and procedures throughout the educational environment. This position is commensurate with the University philosophy that dedicates our campus to the principles of equality of opportunity and freedom from discrimination for all members of the university community and an acceptance of true diversity as an affirmation of individual identity.” (COE Academic Policies and Procedure Handbook, section A)
Students with disabilities
Appropriate accommodations will be provided for students with documented disabilities. This documentation must come in writing from the Disability Services in the Office of Academic Advising and Student Services. To obtain this document contact Molly Sirois at 346-1155 or sirois@oregon.uoregon.edu. If you have a documented disability and require accommodation, you must meet with the course instructor within the first two weeks of the term.

Your well being
Life at college can be very complicated. Students often feel overwhelmed or stressed, experience anxiety or depression, struggle with relationships, or just need help navigating challenges in their life. If you're facing such challenges, you don't need to handle them on your own--there's help and support on campus.

As your instructor if I believe you may need additional support, I will express my concerns, the reasons for them, and refer you to resources that might be helpful. It is not my intention to know the details of what might be bothering you, unless you want to share, but simply to let you know I care and that help is available. Getting help is a courageous thing to do—for yourself and those you care about.

University Health Services help students cope with difficult emotions and life stressors. If you need general resources on coping with stress or want to talk with another student who has been in the same place as you, visit the Duck Nest (located in the EMU on the ground floor) and get help from one of the specially trained Peer Wellness Advocates.

University Counseling Services (UCS) has a team of dedicated staff members to support you with your concerns, many of whom can provide identity-based support. All clinical services are free and confidential. Find out more at counseling.uoregon.edu or by calling 541-346-3227 (anytime UCS is closed, the After-Hours Support and Crisis Line is available by calling this same number).