

**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 both static and dynamic maps.

Lectures will focus on the theories and principles behind web mapping such as: establishing map goals, composition and layout, symbolization, animation, and more. Exercises will focus on practical applications and web design skills using cloud-based software, HTML, and CSS.

*Please note:* in-class exercises will be completed on laptops in the lecture room. If you do not have a laptop to bring to class, please contact the instructor and a department laptop will be supplied for in-class use.

**Pivotal information:**

Times: Mondays and Wednesdays 2:00PM-3:20PM  
Location: 206 Condon Hall

Instructor: Joanna Merson  
Email: [jmerson@uoregon.edu](mailto:jmerson@uoregon.edu)  
Office: 163 Condon  
Office hours: TBD

**Text (or ebook):**

Web Cartography: Map Design for Interactive and Mobile Devices. By Ian Muehlenhaus.  
From: [Amazon](#), [CRC Press](#), or [RedShelf](#).

**Email Policy:**

I will attempt to 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 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 "Hallway conversation" discussion board.

**Grading:**

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

Course component	Percent
Exercises	30
Exam	25
Project	35
Participation	10
Total possible	<b>100</b>

### **Class Participation:**

Grading will be based on *active participation* in class and in discussion boards. This includes but is not limited to asking questions, suggesting answers, and thanking other students for their input.

### **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](mailto: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.

### **Safe Ride:**

**Safe Ride** is an **assault prevention shuttle** that works to provide free, inclusive, and accessible alternatives to traveling alone at night for **UO students, faculty, and staff**.

We are a schedule-ahead service and riders can (1) call once we open to schedule a ride with a dispatcher or (2) leave a voicemail on the day of their ride request. We do not call riders ahead of time to confirm due to capacity constraints, but riders are always welcome to call us to double-check that their ride was scheduled. We are a feminist, ‘for-the-students/by-the-students’ organization and operate out of the Women’s Center in EMU 12F.

Operating hours:

#### **Spring term**

Sunday - Thursday | 7p - midnight

Friday + Saturday | 7p - 2a

#### **Summer term**

Sunday - Thursday | 9p - midnight

Friday + Saturday | 9p - 2a

#### **Fall/Winter term**

Sunday - Thursday | 6p - midnight

Friday + Saturday | 6p - 2a

**Policy and rules:**

1. We are a **schedule-ahead service**, we **do not call ahead**, and we can only wait for riders for 5 minutes at their pick-up time and location.
2. We only give rides to groups of **3 or less** to prioritize groups that are at higher risk.
3. We are a **free service** and do not accept tips.

**Schedule:**

<b>Week</b>	<b>Date</b>	<b>Topic</b>	<b>Reading / Deliverables</b>
I	Mon, Apr 2	Introduction	Ch 1 - Introduction (pg 1-12)
	Wed, Apr 4	Web Map Interaction	Ch 1 ctd. (pg 12-19) Ch 2 Human-Map Interactivity (pg 21-25)
II	Mon, Apr 9	Color	Ch 5 Color
	Wed, Apr 11	Basics of Web Programming	Ch 12 Web Map Production (pg 197-225)
III	Mon, Apr 16	Scale and Project Description (Start thinking about It!)	
	Wed, Apr 18	Composition and Layout	Ch 4 Composition and Layout
IV	Mon, Apr 23	Visual Variables	Ch 7 Core Visual Variables
	Wed, Apr 25	Thematic Visualization I	Ch 9 Thematic Visualization (pg 143-158)
V	Mon, Apr 30	Guest Lecture: Lauren Tierney	
	Wed, May 2	Thematic Visualization II	Ch 9 ctd (159-170)
VI	Mon, May 7	Map Narratives	<i>Project Proposals</i>
	Wed, May 9	Symbolization	Ch 8 Symbolization
VII	Mon, May 14	Animation	Ch 10 Animation
	Wed, May 16	Sound, Touch, and Alternative Techniques	Ch 11 Sound and Touch
VIII	Mon, May 21		<i>Project Development</i>

	Wed, May 23	Schedule Flex Day	<i>Take-home exam distributed</i>
IX	Mon, May 28	<b><i>Memorial Day - No Classes</i></b>	
	Wed, May 30	The Future of Web Mapping	<i>Take-home exam due</i>
X	Mon, Jun 4		<i>Project Presentations</i>
	Wed, Jun 6		<i>Project Presentations</i>