

SI 339 Fall 2017 Web Design

Instructor: Colleen van Lent
GSI: Wilson Parson
GSI: Navdeep Bagga

Mailing List
339Instructors@umich.edu

Lectures: M 1:00 - 3:00 NQ 1255

Discussion Sections: *You must attend the discussion section you are enrolled in.*

002 – Tu. 1:00 - 2:00 PM NQ 1265 (Navdeep)

**003 – Mo. 4:00 - 5:00 PM NQ 1265 (Wilson)

004 – We. 11:00 - 12:00 PM NQ 1265 (Wilson)

005 – Tu. 2:00 - 3:00 PM NQ 1265 (Navdeep)

***Must attend an alternate discussion section the week of 1/15*

Course Description

This course provides a hands-on approach to learning responsive, accessible front-end programming for Web Design. Topics covered include HTML5, CSS3 (including Bootstrap framework), JavaScript, jQuery, additional frameworks, and the POUR design principles of accessible design. Backend web-development will also be introduced.

Learning Objectives

The purpose of this course is to provide students with all necessary skills for building and deploying web sites as well as utilize existing software tools. The Learning Objectives for SI-339 are to help students develop solid competency in:

- Understanding the importance of standards-based practices in web development
- Understanding the importance of separating structure and semantics from presentation, as well as how this is accomplished in professional web development
- Creating web pages using Hypertext Markup Language (HTML)
- Styling web pages using Cascading Style Sheets (CSS)
- Understanding the interactions between web browsers and web servers using Hypertext Transport Protocol (HTTP)
- Using other software tools to augment your site
- Understanding how Model View Controller paradigms control the view of large-scale projects
- Implement backend programming

After completing SI-339, students will have a working personal portfolio website in production.

Office hours:

Office hours are a great time to ask questions about assignments. Students who are waiting should feel free to help each other out. **The most up-to-date office hours will always be listed on Canvas.**

COURSE RESOURCES

- A laptop: if you do not have a laptop to use in class (whether because you have a desktop computer OR because you use University computers for your coursework), that is fine –but please let Colleen know by the end of the first week of class so we can make sure you have the same participation options.
- Readings: All of the readings are online. You can find the weekly reading assignments in the Modules section of Canvas.

Communication

Much of the communication for the course will be handled through Canvas and Piazza. Students are expected to keep up with all email that comes to them from the course mailing list and check the forums on a regular (1x week minimum) basis. **Piazza is the preferred place to get help in the class and you must post there before emailing a question to the GSI or me. Please use 339Instructors@umich.edu for emailing questions.** It is completely acceptable and encouraged for a student in the course to attempt to help other students in the forums. The instructional staff will read all posts and correct any incorrect advice that one student gives another.

Student Mental Health and Well-being

The University of Michigan is committed to advancing the mental health and wellbeing of its students. If you or someone you know is feeling overwhelmed, depressed, and/or in need of support, services are available. For help, contact Counseling and Psychological Services (CAPS) at (734) 764-8312 and <https://caps.umich.edu/> during and after hours, on weekends and holidays, or through its counselors physically located in schools on both North and Central Campus. You may also consult University Health Service (UHS) at (734) 764-8320 and <https://www.uhs.umich.edu/mentalhealthsvcs>, or for alcohol or drug concerns, see www.uhs.umich.edu/aodresources. For a listing of other mental health resources available on and off campus, visit: <http://umich.edu/~mhealth/>

Accommodations for students with disabilities

If you need an accommodation for a disability, please let me know by the end of the 2nd week of class or within 72 hours of new documentation. Some aspects of this course, the assignments, the in-class activities, and the way we teach may be modified to facilitate your participation and progress. As soon as you make me aware of your needs, we can work with the Office of Services for Students with Disabilities (SSD) to help us determine appropriate accommodations. SSD (734-763-3000; ssd.umich.edu/) typically recommends accommodations through a Verified Individualized Services and Accommodations (VISA) form. I will treat any information that you provide in as confidential a manner as possible.

Academic Integrity:

UMSI strongly encourages collaboration while working on some assignments, such as homework problems and interpreting reading assignments as a general practice. Active learning is effective. Collaboration with other students in the course will be especially valuable in

summarizing the reading materials and picking out the key concepts. ***You must, however, write your homework submission on your own, in your own words, before turning it in.*** If you worked with someone on the homework before writing it, you must list any and all collaborators on your written submission. Read the instructions carefully and request clarification about collaboration when in doubt. Collaboration is always forbidden for take-home and in class quizzes and exams. Largely duplicate copies of the same assignment will receive a 0 for all parties. See the (Doctoral, MSI, BSI) student handbooks available on the UMSI intranet for the definition of plagiarism, resources to help you avoid it, and the consequences for intentional or unintentional plagiarism.

If you are a more advanced student and are willing to help other students, please feel free to do so. Just remember that your goal is to help teach the material to the student receiving the help. It is always appropriate to ask for and provide help on assignments via the forums or during the open lab portions of class. **Any instances of cheating will result in a 0 for the assignment and the lowering of the final grade by one grade level.**

Scoring Breakdown

This semester there will be both required and optional assignments.

Required Assignments:

- | | | |
|-----------------------|---------|-----------------------|
| ● Exam 1: | 100 pts | Feb 19th |
| ● Exam 2: | 200 pts | April 16th |
| ● Portfolio: | 200pts | April 4th (and 2/21*) |
| ● In-class exercises: | 200pts | Feb 21st and April 11 |
- The in-class exercises (ICE) will be the completion of the work begun during lecture periods. They are not due the day they are assigned, so there will be time to work on them if you ever miss class. They will be graded P/F.

Optional Assignments:

- Quizzes
 - Quizzes will occur in the first 10 minutes of discussion. (If you require a quiet room you can take the quiz immediately after the lecture instead.) The quizzes will cover the readings from that week.
- Final Exam
 - The final exam is optional and will replace either the first or second exam of the semester. It will be cumulative over the course of the semester.
- Badges
 - In addition to the weekly readings, students are highly encouraged to complete CodeAcademy badges prior to the lectures. Students must submit their CodeAcademy profile for each and every badge they complete. It is not up to the GSIs to check on your progress. Course completion badges are worth 5pts.

- In addition to the badges on Canvas, students can earn points for additional courses completed this term (e.g Lean Sass, React JS). Badges must be approved beforehand in writing.
- Project
 - There will be one additional coding project for students to want to do backend programming.

Grading

Students will have a varying number of points based on which assignments they choose to complete. Grades will be on a percentage scale:

Score	Grade	Score	Grade
99%	A+	80%	B-
92%	A	77%	C+
90%	A-	70%	C
87%	B+	67%	D+
82%	B	64%	D

Answers to FAQ

- Posting code snippets on Piazza is great, and encouraged! Posting complete answers to homework problems is not acceptable.
- Study groups are welcome and strongly encouraged, as is talking through any and all programming problems you encounter. However, if you feel you are either giving or receiving all of the answers and it is impacting your learning negatively, please break up your study group, and/or contact Colleen confidentially.
- Use of any solutions provided from previous semesters is not allowed.

Regarding extensions:

There are no extensions on any required assignments other than the Portfolio which will be assessed a late penalty of 10% per day. However, if you have an extreme medical or family care or other type of situation that may be an extraordinary circumstance, please contact Colleen to discuss an extension. You need to contact Colleen **at least three days in advance** for an extension on a project.

Regarding grading and re-grading:

We grade all assignments with a strict rubric, wherein the same rubric is applied to everyone. If you believe there is an error in the way you have been graded, please submit a regrade request to the instructor mailing list. **All regrade requests must be submitted within 7 days of assignments being graded.**