

SI 539 Web Design - Winter 2020

Course Description

This course provides a hands-on approach to learning responsive, accessible front-end programming for Web Design. Topics covered include HTML5, CSS3, JavaScript, jQuery, additional frameworks, and the POUR design principles of accessible design. We will not be covering server-side development in this course.

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-539 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 (HTML5)
- Styling web pages using Cascading Style Sheets (CSS3)
- Using JavaScript to validate input, provide more complex audio control, and interact with canvas components.
- Understanding the interactions between web browsers and web servers using Hypertext Transport Protocol (HTTP)
- Using other software tools to augment and review the syntax, semantics, and accessibility of your site.

After completing this course, students will have a working personal portfolio website in production and will have completed a site for an outside client.

Staff

Instructor: Dr. Colleen van Lent, Lecturer IV

GSIs: Jane Im, Ian Geiman

Lectures:

Th 1:00 – 3:00pm 1544 NUB

Discussion Sections*:

Mon 4:00PM - 5:00PM	2185 NQ
Tu 9:00AM - 10:00AM	2245 NQ
Mo 10:30AM - 11:30AM	1265 NQ
Mon 5:30PM - 6:30PM	2185 NQ

**Attendance at discussion will factor into your grade and you must attend the discussion section you are enrolled in. Additional details available in the Assignments section of this document.*

Office Hours:

Office hours are a great time to ask questions about assignments, or simply stop by to say hi. Typically, more can be accomplished in 5 minutes at office hours than 2 hours on email (which is why we don't use email much in this course). Please realize that office hours will get crowded right before the due dates. At those times the instructional team will focus on students working on basic concepts. 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 in the weekly announcements.

Day	Time	Location
	TBD	

Communication:

Piazza:

Much of the communication for the course will be handled through Canvas and Slack. Students are expected to keep up with all email that comes to them from the course mailing list and check the channel on a regular (2x week minimum) basis. Slack is the preferred place to get help in the class and you must post there before emailing the instructors. Please use 539Instructors@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.

Mailing List: 539Instructors@umich.edu

It is important that you use this email address. Do not email directly to a GSI, but you can email directly to Colleen if it is a personal matter.

Canvas: Submit your assignments to Canvas. If you change your code in any way afterward you must do a resubmit – even if you are submitting the same URL. Also **do not use it as a**

way to communicate with us. We do not receive updates. If it is a question about specific grades, see Answers to FAQ.

IMPORTANT: The first place to get assistance is Piazza or Office Hours. The instructor mailing list should only be used if you do not get a response on Piazza, or the question is of a personal nature.

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.

Student Mental Health and Well-being

The University of Michigan is committed to advancing the mental health and wellbeing of its students, while acknowledging that a variety of issues, such as strained relationships, increased anxiety, alcohol/drug problems, and depression, directly impacts students' academic performance. 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 (732) 764-8320 and <https://www.uhs.umich.edu/mentalhealthsvcs>, or for alcohol or drug concerns, see www.uhs.umich.edu/aodresources. For a more comprehensive listing of the broad range of mental health services available on campus, please visit: <http://umich.edu/~mhealth/>.

IMPORTANT - Don't wait to seek out help!

Accommodations for students with disabilities

The University of Michigan is committed to providing equal opportunity for participation in all programs, services and activities. Request for accommodations by persons with disabilities may be made by contacting the Services for Students with Disabilities (SSD) Office (<http://ssd.umich.edu>) located at G664 Haven Hall. The SSD phone number is 734-763-3000. Once your eligibility for an accommodation has been determined you will be issued a verified individual services accommodation (VISA) form. Please present this form to me at the

beginning of the term, or at least two weeks prior to the need for the accommodation (test, project, etc.). **IMPORTANT: If you are having trouble working with SSD I am happy to accept requests without that documentation at the start of the term.** Regardless, I will treat any information that you provide in as confidential a manner as possible. The preferred method for receiving VISA forms is via email.

Students who require extra time on online assessments:

- Please contact the teaching team at the start of the semester if you require extra time for the assessments. This can be arranged very easily.

Students who require extra time on in-class assessments:

- Students who have put in a request will be contacted about the alternate location. The time will always be 1:00 – 4:00pm.

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. Each course and each instructor may place restrictions on collaboration for any or all assignments. Read the instructions carefully and request clarification about collaboration when in doubt. Collaboration is always forbidden for take-home and in-class exams.

Plagiarism

All written submissions must be your own, original work. Original work for narrative questions is not mere paraphrasing of someone else's completed answer: you must not share written answers with each other at all. At most, you should be working from notes you took while participating in a study session. Largely duplicate copies of the same assignment will receive an equal division of the total point score from the one piece of work.

You may incorporate selected excerpts, statements or phrases from publications by other authors, but they must be clearly marked as quotations and must be attributed. If you build on the ideas of prior authors, you must cite their work. You may obtain copy editing assistance, and

you may discuss your ideas with others, but all substantive writing and ideas must be your own, or be explicitly attributed to another.

Collaboration is always forbidden for quizzes and exams (take-home or in-class). This includes the online assessments. 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.***

Assignments:

- (60 pts) 4 Online Assessments (15 pts each)
 - The first three assessments will be open twice on a rolling basis. Once open, it will remain open for 5 days and have a time limit of 3 hours once you start the quiz. The fourth assessment will be open once. ***The assessments must be done independently.*** You are encouraged to ask clarifying questions after an attempt.
 - All assessments will be open for one final attempt at the end of the term..
- (80 pts) Discussion section assignments/attendance (10 pts each)
 - To receive credit for the discussion section assignment, attend the discussion and participate.
 - You may not be more than 10 minutes late to receive credit.
 - On group work days you may attend digitally, but make sure to check in with a GSI to receive credit.
 - We will drop your two lowest scores, with the exception of the discussion the week of April 13th. We will not waive this absence.
 - You do not get attendance points for the days we have Coding Assessments.
- (up to 445pts) Homework Assignments

There are 9 homework assignments that are worth 25 – 60pts. Homework is always due on a Friday at midnight. You can submit homework late at a penalty of 5% per day up to five days late. Please note, the instructional team doesn't work on weekends and will not be available to help you.
- (up to 180 pts) Coding Assessments.

The coding assessments will take place in discussion. They will be difficult and are a necessary evil since the ability to code on your own is necessary to receive an A in this class.

We will drop the two lowest scores of the homework/coding assessments. (It can be 2 homework, 2 coding, or 1 of each.) Because of this we will not make alternate arrangements for missed assignments or coding assessments. Please plan accordingly.

- (200 pts) Independent Portfolio
 - A “midterm” portfolio is due in March. The late penalty for the portfolios will be 10% per day.
- (100 pts) Outside Portfolio
 - Group presentation of the outside portfolio you have created with your discussion group. A “winner” from each discussion will be selected and presented in the final lecture. Active members of any “winning” team will receive extra credit.
- (5 pts) Participation
 - Students who actively participate in class, discussion boards, and/or office hours will be eligible for participation points. There is also a requirement to attend the presentation lecture on April 16th.

Regarding extensions:

Things happen. Deadlines are missed. People get sick. Married. Have a job interview. We are aware of this and for that reason have already built accommodations into the syllabus. Additional extensions will only be granted after you have exhausted these accommodations. 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 two days in advance** for an extension, submit the work completed so far, and include a written plan for completion. If you do so, the first day late penalty will be halved. If you aren’t comfortable reaching out to me, you can also ask the UMSI advising team to facilitate, they do it all the time.

Grading

Grades will be on a percentage scale (not points since every student may have a different total):

Score	Grade	90%	A-
99%	A+	87%	B+
93%	A	83%	B

80%	B-	70%	C-
Score	Grade	67%	D+
77%	C+	63%	D
73%	C	60%	D-

Answers to FAQ

- Posting code snippets on Piazza is great, and encouraged! But don't post screenshots of the code. 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 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 via the [Grade Check Request Form](https://forms.gle/Ers1Y158wbgnXeuT6) (<https://forms.gle/Ers1Y158wbgnXeuT6>). ***All regrade requests must be submitted within 7 days of assignments being graded.***

Diversity and Professionalism (Taken directly from [Shriram Krishnamurthi](#))

The lack of sufficient diversity is an important problem in computer science. In this course, we want to help improve the situation, not make it worse. The responsibility to do that lies both with us, the course staff, and with you, the students.

Be A Considerate UMSI Citizen

Every now and then I hear disturbing statements from students about how they have been made to feel uncomfortable in class or in the department. I don't mean intellectual discomfort—e.g., the kind you might get from having a heated debate about a technical subject with a fellow student—but the personal kind. These range from inappropriate comments and invitations to unsolicited physical contact.

There's a term for many of these behaviors: harassment. And let there be absolutely no doubt about this: harassment is against the law and it is completely against the norms of this course and this department. (See Michigan's [Office for Institutional Equity](#).) We—the university, the department, and this course's staff—have absolutely zero tolerance for it.

Some people might think the recipient should laugh it off, or they may make (or think) snide remarks about political correctness or jokes about consent or what have you. They might think people just need to grow a thicker skin or learn to take a joke.

Unfortunately, the subject of harassment (and that's what these remarks and actions are, harassment, even if you decide you would classify them as jokes) is forced, by the nature of classes and campus life, to be around the harasser. That can make them uncomfortable to the point of wanting to stay away, or focusing more on the harasser than on what they are here to learn. That hurts their education. That is not okay at all: the harasser has no right to steal their hard-won education away from them. And often the harm goes much deeper: it hurts them psychologically in subtle and long-standing ways. And that's why these are not laughing matters.

I encourage you to think about this in positive terms. Your classmates are your colleagues. Someday you may be each others' start-up partners or co-employees; one of you may even be the other's interviewer or boss. So start treating one another like professionals, and I mean that in the best possible interpretation of that phrase.

In short: Be safe, be happy, and have fun without taking away anyone else's.

About Course Staff

Professionalism and respect for diversity are not just matters between students; they also apply to how the course staff treat the students. The staff of this course pledge to treat you in a way that respects our differences. However, despite our best efforts, we might slip up, hopefully inadvertently. When we do, please feel free to talk to us about it.

Sometimes, you may not be comfortable bringing this up directly to us. If so, you are welcome to talk to utilize the [UMSI Diversity, Equity & Inclusion feedback and reporting resources](#). As a department, we will take all complaints about unprofessional or discriminatory behavior seriously.

Discussing Problems

If you are running into personal difficulties in the course (e.g., being made uncomfortable by a fellow student), by all means come talk to me at any time. If you are having difficulties in other contexts and would like to talk about that, you are welcome to do so. In short, you are always open to come talk to me if you are facing any such issues.

However, please note the following. Due to other positions I hold in the department and university, I am what Title IX calls a Designated Reporter. That means if you report a Title IX

violation to me, I am required to report it to the university. This will result in you being contacted by a university official.

I realize that not everyone may want to involve university officials, at least not right away. If you want your conversation to be kept in complete confidence, you should instead talk to one of the many resources listed here.