

## Student Taught Course | Building Personal Websites

Spring 2021

Thurs. 7:00pm – 7:50pm

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Office Hours by Request

**Description** | In today's digital age, having a personal website makes it substantially easier to share information about yourself to employers and colleagues. In this course, students will learn the principles of web development in order to build their own personal website. Topics include basic HTML components, static elements, dynamically functioning elements, interactive graphics, loading content from text files, optimizing screen sizes & runtimes, and cross-browser support. The course will be taught in HTML, CSS, and JavaScript (jQuery). Students will be building their own website over the course of the semester, with the final project requiring students to submit a personal resume website that they can then keep when finishing the course. There is no cost associated with the course. Students must provide their own hardware.

**Requirements** | This course assumes no prior knowledge of website development.

**Resources** | This course will be taught using HTML, CSS, & jQuery. All browsers already come with the ability to run these files. For the best performance, students are advised to download the following browsers (Chrome, Firefox, Edge, Safari) for cross-browser support with their websites.

**Objectives** | Following this course, students will be familiar with HTML, CSS, & JavaScript and be able to build their own dynamic websites from scratch.

**Assessments** | The course will consist of a series of check-in assignments to make sure the student is caught up with the coursework. For each week, students will add certain content to their websites, building it up until the Final Assignment where they will submit the personal resume website that they have been working on during the semester.

**Attendance** | Weekly polls are used to make sure students are attending lecture, but are not used in calculating the final grade. Attendance is determined by whether the weekly submission a student makes demonstrates noticeable progress on the website. Students will be highly encouraged to use new material learned in the previous week by implementing it into their website. Students who miss a day may talk to the professor outside of class and catch up with the material, but should attempt to modify their website and still make a submission for that week. StuCo policy does not allow more than 2 absences per student. Lectures will be recorded for students so that if the current course timeslot does not work for them, they can watch the recording and still engage with the course. Lectures will occur online over zoom.

**Integrity** | Students must build their own websites. Students are allowed to copy small chunks of code from other websites for reference, but nothing substantial like an entire page should be copied. Students are free to use online images and graphics on their websites.

**Disabilities** | If you have a disability and have an accommodations letter from the Disability Resources office, I encourage you to discuss your accommodations and needs with me as early in the semester as possible. I will work with you to ensure that accommodations are provided as appropriate. If you suspect that you may have a disability and would benefit from accommodations but are not yet registered with the Office of Disability Resources, I encourage you to contact them at [access@andrew.cmu.edu](mailto:access@andrew.cmu.edu).

**Wellness** | Take care of yourself. Do your best to maintain a healthy lifestyle this semester by eating well, exercising, avoiding drugs and alcohol, getting enough sleep and taking some time to relax. This will help you achieve your goals and cope with stress.

If you or anyone you know experiences any academic stress, difficult life events, or feelings like anxiety or depression, we strongly encourage you to seek support. Counseling and Psychological Services (CaPS) is here to help: call 412-268-2922 and visit their website at <http://www.cmu.edu/counseling/>. Consider reaching out to a friend, faculty or family member you trust for help getting connected to the support that can help.

**Office Hours** | Office hours are by email appointment and can be requested any day of the week, although given my own schedule, I hold the right to decline office hours if they conflict with one or more of my own courses. Email requests for office hours must be sent with 24 hours' notice. Anything less than 24 hours may not be guaranteed. Office hours are a great way to ask questions, receive additional help, or learn new things not covered in class.

- Week 01** | Syllabus Review
  - The HTML Hierarchy
  - Creating Your First Div
  - Linking HTML With CSS
- Week 02** | Fundamental Tags of HTML
  - Class vs ID
  - There's A Child For Each Parent
- Week 03** | Fundamental Properties of CSS
  - Hover & Click
- Week 04** | Positioning Elements
  - Transitions
- Week 05** | Typography
  - Working With The P Tag
  - Animations in CSS
- Week 06** | Introduction to JavaScript
- Week 07** | Introduction to JQuery
- Week 08** | It's Working in Chrome, But Why Not Safari??
- Week 09** | Optimizing Webpage Loading
- Week 10** | Optimization For Various Screen Sizes
- Week 11** | Parsing Text Files & JSONs
- Week 12** | Web Development Review
- Week 13** | Website Presentations