

## Student Taught Course | Building Personal Websites

Spring 2022

Tues/Thurs. 7:00pm – 7:50pm

odadfar@andrew.cmu.edu

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.

**Grading** | Students will be graded on completion of their weekly. Additionally, the course Final project will be graded on creativity, novelty, and ability to demonstrate understanding

and fusion of multiple skills taught in the course. This course is graded on a pass/fail scale. Students must complete all but 2 weekly edits to receive a passing grade.

**Integrity** | According to the university, “From CMU’s Policy on Academic Integrity: In any manner of presentation, it is the responsibility of each student to produce her/his own original academic work. Collaboration or assistance on academic work to be graded is not permitted unless explicitly authorized by the course instructor(s). Students may utilize the assistance provided by Academic Development, the Global Communication Center, and the Academic Resource Center (CMU-Q) unless specifically prohibited by the course instructor(s). Any other sources of collaboration or assistance must be specifically authorized by the course instructor(s). In all academic work to be graded, the citation of all sources is required. When collaboration or assistance is permitted by the course instructor(s) or when a student utilizes the services provided by Academic Development, the Global Communication Center, and the Academic Resource Center (CMU-Q), the acknowledgement of any collaboration or assistance is likewise required. This citation and acknowledgement must be incorporated into the work submitted and not separately or at a later point in time. Failure to do so is dishonest and is subject to disciplinary action. Instructors have a duty to communicate their expectations including those specific to collaboration, assistance, citation and acknowledgement within each course. Students likewise have a duty to ensure that they understand and abide by the standards that apply in any course or academic activity. In the absence of such understanding, it is the student’s responsibility to seek additional information and clarification.” What this means is that work that 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.

**Accommodations** | 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).

**Diversity** | We must treat every individual with respect. We are diverse in many ways, and this diversity is fundamental to building and maintaining an equitable and inclusive campus community. Diversity can refer to multiple ways that we identify ourselves, including but not limited to race, color, national origin, language, sex, disability, age, sexual orientation, gender identity, religion, creed, ancestry, belief, veteran status, or genetic information. Each of these diverse identities, along with many others not mentioned here, shape the perspectives our students, faculty, and staff bring to our campus. We, at CMU, will work to promote diversity, equity and inclusion not only because diversity fuels excellence and innovation, but because we want to pursue justice. We acknowledge our imperfections

while we also fully commit to the work, inside and outside of our classrooms, of building and sustaining a campus community that increasingly embraces these core values. Each of us is responsible for creating a safer, more inclusive environment. Unfortunately, incidents of bias or discrimination do occur, whether intentional or unintentional. They contribute to creating an unwelcoming environment for individuals and groups at the university. Therefore, the university encourages anyone who experiences or observes unfair or hostile treatment on the basis of identity to speak out for justice and support, within the moment of the incident or after the incident has passed. Anyone can share these experiences using the following resources: Center for Student Diversity and Inclusion: [csdi@andrew.cmu.edu](mailto:csdi@andrew.cmu.edu), (412) 268-2150, Report-It online anonymous reporting platform: [reportit.net](http://reportit.net) username: tartans password: plaid. All reports will be documented and deliberated to determine if there should be any following actions. Regardless of incident type, the university will use all shared experiences to transform our campus climate to be more equitable and just.

**Wellness |** This semester is unlike any other. We are all under a lot of stress and uncertainty at this time. Attending Zoom classes all day can take its toll on our mental health. Make sure to move regularly, eat well, and reach out to your support system or Judy Hallinen [[hallinen@cmu.edu](mailto:hallinen@cmu.edu)] if you need to. We can all benefit from support in times of stress, and this semester is no exception. 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