

HTML & CSS Course Syllabus

with MN Tech for Success

Certificates Attempted: *Learn HTML, Learn CSS, Learn the Command Line, Learn Git/GitHub, JavaScript Fundamentals*

Note: This syllabus is subject to change based on how quickly we work through material. The teacher will update it after each session to reflect material covered, and goals for the subsequent session.

Course Description:

These courses offer an introduction to HTML and CSS, the foundational languages for web development, as well as an introduction to Command Line, Git and GitHub. Students will learn how to create and style web pages, manage their projects using GitHub, and host a portfolio of coding projects online. By the end of this series of courses, students will have the skills needed to build and publish their own static websites. Students who complete the course will leave with their own website hosted on GitHub in addition to all earned course certificates. Time permitting, students will also learn the fundamentals of JavaScript.

Classroom Expectations:

We cover a lot of material quickly in this course, especially after the first week. Please attend each class, and if you must miss, be prepared to do make-up work outside of class. Please sit promptly and be ready to work right away, we only get 55 minutes to cover this portion of our daily material! This syllabus should offer a guideline for what topics we will cover each day. Please inform your instructor if you expect you will miss class.

Behavior: Please be respectful. We are in a professional work environment.

- Be mindful of your noise level. Close the classroom door.
- Be very quiet in hallways and office spaces.
- Be respectful towards your fellow students - Bullying will not be tolerated.
- No wrestling or other physical behavior towards or with your program participants.
- Please limit classroom disruptions - we have a lot of material to cover!

Course Completion Requirements:

The graded portion of this course comes from completing modules and quizzes on

CodeCademy. The CodeCademy dashboard will show you your progress through each course. You must receive at least 70% on all course material to earn the certificate.

- Complete each module (the end of each step has a “next” button - you get credit only if you hit next for each page within the course)
- Complete all quizzes and earn a passing score. Quizzes can be retaken as many times as you wish. A passing score is 70% or higher.

Course Duration: 2024-2025 School year (~23 weekly sessions)

Class Schedule: 55 minutes, Wednesdays from 1:35 - 2:30pm

Instructor: Esther Kearney

Contact Information: ekearney@techforsuccess.org

CERTIFICATE 1: Learn HTML

- **Session on 10/23/24 - Beginner HTML**
 - Introduction to the course
 - Lesson: Introduction to HTML
- **Session on 10/30/24 - HTML Continued**
 - Finish Lesson: Introduction to HTML (step 10)
 - Lesson: HTML Document Standards
 - Project: Fashion Blog
 - *HOMEWORK:* Quiz - HTML Document Standards
 - *HOMEWORK:* Quiz - Introduction to HTML
- **Session on 11/13/24 - HTML Tables**
 - Lesson: HTML Tables
 - Project: Wine Festival Schedule
 - *HOMEWORK:* Quiz - HTML Document Standards
- **Session on 11/20/24 - HTML Forms**

- Lesson: HTML Forms
- *HOMEWORK*: Quiz - HTML Forms

- **Session on 12/4/24 - HTML Forms**
 - Lesson: Form Validation
 - Project: Form a Story

- **Session on 12/11/24 - Semantic HTML**
 - Lesson: Semantic HTML
 - Project: New York City Blog
 - *HOMEWORK*: Quiz - HTML Forms

CERTIFICATE 2: Learn CSS

- **Session on 12/18/24 - Beginning CSS**
 - Lesson: Set up and Syntax
 - Lesson: Selectors
 - *HOMEWORK*: Quiz - Set up and Selectors

- **Session on 1/8/25 - More CSS**
 - Project: Healthy Recipes
 - Lesson: Visual Rules
 - *HOMEWORK*: Quiz - Visual Rules

- **Session on 1/15/25 - More CSS**
 - Project: Olivia Woodruff Portfolio

- Lesson: The Box Model
- *HOMEWORK*: Quiz - The Box Model

- **Session on 1/22/25 - CSS: The Box Model**
 - Lesson: Changing the Box Model
 - Project: Davie's Burgers
 - OPTIONAL - Video - the Box Model in Dev Tools

- **Session on 1/29/25 - CSS: Display and Positioning**
 - Lesson: Display and Positioning
 - Project: Broadway
 - *HOMEWORK*: Quiz - Display and Positioning

- **Session on 2/5/25 - CSS: Color**
 - Lesson: Color
 - Project: Paint Store
 - *HOMEWORK*: Quiz - Color

- **Session on 2/12/25**
 - Lesson: Typography
 - Project: Typography
 - *HOMEWORK*: Quiz - Typography

CERTIFICATE 3: Learn the Command Line

- **Session on 2/19/25 - Navigating the File System**
 - Article: Introduction to Command Line
 - Lesson: navigation
 - Project: Bicycle World
 - *HOMEWORK*: Quiz - Navigation

- **Session on 2/26/25 - Viewing and Changing the File System**

- Article: Command Line Interface Setup
- Lesson: Manipulation
- Project: Artusi
- *HOMEWORK*: Quiz - Manipulation

- **Session on 3/5/25 - Redirecting Input and Output**

- Lesson: Redirection
- Project: Athletica
- *HOMEWORK*: Quiz - Redirection

- **Session on 3/12/25 - Configuring the Environment**

- Article: Configuring the Command Line Environment
- Lesson: Environment
- Project: Attica
- *HOMEWORK*: Quiz - Configuring the Environment

- **Session on 3/26/25**

- Project: Lingua Franca
- Article: Windows Command Line

CERTIFICATE 4: Learn Git & GitHub

- **Session on 4/9/25 - Introduction to Git and Github**

- Article: Introduction: Git & GitHub
- Video: The Power of Git and GitHub (13:42)
- Lesson: Basic Git Workflow

- *HOMEWORK*: Quiz - Basic Git Workflow

- **Session on 4/16/25 - Basic Git Workflow**
- Project: Manhattan Zoo
 - Project: SnapFit Robots, Inc.

- **Session on 4/23/25 - Important Git Operations**
 - Lesson: How to Backtrack
 - Project: Poem Fiasco
 - *HOMEWORK*: Quiz - How to Backtrack in Git

- **Session on 4/30/25 - Important Git Operations**
 - Project: ASCII Portfolio
 - Article: Handy Git Operations
 - Article: What is GitHub?
 - Article: Setup with Git and GitHub

- **Session on 5/7/25 - Introduction to GitHub**
 - Video: starting a code base on GitHub (10:01)
 - Video: How to push code to GitHub (6:10)
 - Lesson: The GitHub Flow
 - *HOMEWORK*: Quiz - the GitHub Flow

Assessment:

- Graded quizzes to reinforce learning.
- Final project: Create and deploy a personal website using HTML and CSS, hosted on GitHub Pages. Instructor will review the final project - you will be required to email your instructor the URL of your final website.

Resources

Course home-page: <https://www.codecademy.com> (“textbook” and certificates)

Helpful Links for Studying (Will add more as class progresses)

- MDN - Mozilla Developer Network <https://developer.mozilla.org/en-US/>
- w3Schools (all things HTML & CSS) - <https://www.w3schools.com/>
- Phind: AI search for developers - <https://www.phind.com/search>

Required Software:

Visual Studio Code (preferred code editor) <https://code.visualstudio.com/download>

Git: <https://git-scm.com/downloads>

Recommended: Chrome Browser: [google.com/chrome](https://www.google.com/chrome) Or

Firefox Browser: <https://www.mozilla.org/en-US/firefox/new/>