

Design Technology GDES 202-902 – Intro to HTML & CSS

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Office Hours

Tuesday/Thursday after 6:50pm by appointment.
Monday/Wednesday after 5:30pm by appointment.

Objectives

- Learn the basics of HTML tags, syntax, and structure
- Learn the syntax and structure of CSS and how it relates to HTML.
- Learn the basics of getting your website up and running online. Discuss recommended tools and services to help your process and continue your development in web.
- Create document layouts focused on information hierarchy used to plan your web development process.
- Use CSS to apply styles pertaining to the typography and layout of a website.

Session Schedule

Class 1

Intro to HTML

Class 2

Intro to CSS

Class 3

Discussion and demonstration of tools and services available to students used to enhance workflow.

Demonstrate how to get websites up and running live on the internet and the services available to students.

Class 4

Document hierarchy and layout

Creating a document layout based on pre-existing website

Recreating the website using created document layout and knowledge of HTML and CSS

Class 5

Laying out the design of a website based on document structure.

In class work on website re-creation

Class 6

Review of re-created websites and code.

Discussion on learned objectives and how to continue personal development in the web field.

Semester Schedules

Session 1:

Aug 25 – Class 1

Aug 27 – Class 2

Sept 1 – Class 3

Sept 3 – Class 4

Sept 8 – Class 5

Sept 10 – Class 6

Session 2:

Sept 15 – Class 1

Sept 17 – Faculty Lectures

Sept 22 – Bike Race

Sept 24 – Bike Race

Sept 29 – Class 2

Oct 1 – Class 3

Oct 6 – Class 4

Oct 8 – O + M Lecture

Oct 13 – Class 5

Oct 15 – Class 6

Session 3:

Oct 20 – Class 1
Oct 22 – Class 2
Oct 27 – Class 3
Oct 29 – Class 4
Nov 3 – Class 5
Nov 5 – O + M Lecture
Nov 10 – Class 6

Session 4:

Nov 12 – Class 1
Nov 17 – Class 2
Nov 19 – O + M Lecture
Nov 24 – Class 3
Nov 26 – Thanksgiving
Dec 1 – Class 4
Dec 3 – Class 5
Dec 8 – Class 6

Project Overviews

Intro to HTML

Students will learn the names and uses of important HTML tags and how they can be used to give basic structure to a website. We will discuss the basic skeleton of an HTML document and the necessary code to get started. Students will learn the tags and syntax to appropriately display text, links, lists, and images on a website. We will walk through, as a class, creating a basic HTML based website.

Intro to CSS

Students will learn the basics of CSS syntax and the differences between classes and ID identifiers. Students will learn common CSS properties and visually see how these properties affect the HTML objects they are applied to. We will discuss specificity and the cascade of the style sheet and how it pertains to styling objects in HTML. CSS will be used to create typographic hierarchy as well as structure the basic graphical layout of the created HTML website from the previous class.

Tools and Services

Students will be shown commonly used tools and services such as text editors and web services as well as how to use these tools. We will discuss the common HTML and CSS framework Bootstrap and how students can use it to quickly start developing websites. Continued discussion on CSS and grid layouts. Students will learn how to set up basic web hosting in order to get their websites to run live on the internet. Students will also create a github account and get a website running quickly online.

Document Layouts and Outlines

Students will learn how to create a basic text document that illustrates the basic informational hierarchy of a website. Students will participate in creating a document layout of a pre-existing website as a class. This document will be used towards translating the website on their own using HTML + CSS.

Website Re-creation

Students will use their created document outlines to create a basic design of their website, effectively translating from the web, to paper, and back to the web.

Students will work on using this design and document outline to code the HTML and CSS needed to create their own version of their chosen site.

Required Materials

Laptop with a text editor and graphic editing program installed.

Attendance Policy

Allotted absences are to accommodate routine illness, weddings, car trouble, etc. Doctor appointments, advisor conferences, trips to supply stores and labs, employment, etc., should not be scheduled to conflict with class. Faculty cannot

be placed in the position of determining which absences are excusable and which are not. All students are expected to attend class on a regular basis. Prolonged illness must be verified by a physician and may require the student to withdraw from class if he/she cannot complete work in a comprehensive and timely manner.

Students whose attendance matches the allotted number of absences will receive written and/or verbal warning. Your absences will count across all 4 sessions of the course. An absence or tardy accrued following this warning may result in one or more of the following:

- 1 - Additional warnings from the Professor.
- 2 - Removal from the class for attendance violations. (If before the official withdrawal deadline, student's transcript will carry the word withdrawal.)
- 3 - Reduction in the overall grade for the semester. (In some instances, unsatisfactory attendance may result in a failing grade.)

Grading Policy

Evaluation of performance is based on individual contributions, participation in discussion and critiques, oral and written communication skills, ability to meet all deadlines, attendance and engagement with the project.

Students are to be prepared at the start of each class with assigned work and supplies. Students who do not participate in class critiques or individual discussions with faculty when scheduled to do so should not expect private critiques with faculty at a later date.

Perfect attendance, meeting all deadlines and working at your peak ability are universal expectations. Graphic Design standards are high and only the most rigorous and consistently exceptional students earn high grades. Expect your grade to be lowered if you do not meet the standards and deadlines set by your instructor.

Classroom conduct has an impact on course grades. You are expected to actively participate in class activities and be a considerate member of the 'community' within the classroom. Students who are disruptive to class may be removed from the class and their grades lowered accordingly. Please refer to www.students.vcu.edu/studentconduct for University policies relating to conduct.

Not having supplies, for any reason, does not excuse participation in required activities or missed deadlines.