



Course Number and Title: WEB 160 Internet/Web Construction

Campus Location:

Georgetown, Dover, Wilmington

Effective Date:

2018-51

Prerequisite:

ENG 090 or ENG 091 or EAP 093, SSC 100 or concurrent

Co-Requisites:

none

Course Credits and Hours:

3.00 credits

2.00 lecture hours/week

2.00 lab hours/week

Course Description:

This course enables students to create websites using HyperText Markup Language (HTML) and Cascading Style Sheets (CSS).

Required Text(s):

Obtain current textbook information by viewing the [campus bookstore - https://www.dtcc.edu/bookstores](https://www.dtcc.edu/bookstores) online or visit a campus bookstore. Check your course schedule for the course number and section.

Additional Materials:

None

Schedule Type:

Classroom Course

Hybrid Course

Disclaimer:

None

Core Course Performance Objectives (CCPOs):

1. Develop web pages using HyperText Markup Language (HTML). (CCC 1, 4, 6; PGC 5)
2. Design and apply Cascading Style Sheets (CSS) documents to web pages. (CCC 1, 6; PGC 5)
3. Deploy web pages to a web server. (CCC 5, 6; PGC 1, 5)
4. Create a browser-neutral website. (CCC 6; PGC 1, 5)
5. Develop and process web page forms. (CCC 1, 2, 6; PGC 5, 6)
6. Use JavaScript to facilitate user interaction. (CCC 2, 6; PGC 5)
7. Construct a website to be published on a web server. (CCC 2, 4, 6; PGC 5, 6)

See Core Curriculum Competencies and Program Graduate Competencies at the end of the syllabus. CCPOs are linked to every competency they develop.

Measurable Performance Objectives (MPOs):

Upon completion of this course, the student will:

1. Develop web pages using HyperText Markup Language (HTML).
 1. Explain the purpose of HTML tags.
 2. Identify and use the different elements of a web page document.
 3. Plan the basic design of a web page.
 4. Create web pages using proper HTML tags.
2. Design and apply Cascading Style Sheets (CSS) documents to web pages.
 1. Explain the purpose of CSS.
 2. Identify and use the different elements of a CSS document.
 3. Construct CSS documents.
 4. Apply CSS documents to a website.
3. Deploy web pages to a web server.
 1. Install and configure File Transfer Protocol (FTP) client.
 2. Transfer website documents to a web server.
 3. Verify a website with World Wide Web Consortium (W3C) validator.
4. Create a browser-neutral website.
 1. Differentiate among browser programs.
 2. Explain how a website behaves in different browsers.
 3. Develop a plan to make a website function in multiple browsers.
 4. Reconstruct a website to make it browser-neutral.
5. Develop and process web page forms.
 1. Describe the components and use of web page forms.
 2. Formulate a plan to construct web page forms.
 3. Create web page forms using appropriate HTML tags.
 4. Design a response web page to acknowledge receipt of form data.
6. Use JavaScript to facilitate user interaction.
 1. Identify the purpose of JavaScript.
 2. Develop a plan to make a web page more interactive using JavaScript.
 3. Apply JavaScript to web page elements to make it more interactive.
7. Construct a website to be published on a web server.
 1. Identify the steps to create and publish a website.
 2. Devise a plan to publish a website.
 3. Create and publish a website on a web server.

Evaluation Criteria/Policies:

Students must demonstrate proficiency on all CCPOs at a minimal 75 percent level to successfully complete the course. The grade will be determined using the Delaware Tech grading system:

92	-	100	=	A
83	-	91	=	B
75	-	82	=	C
0	-	74	=	F

Students should refer to the [Student Handbook - https://www.dtcc.edu/handbook](https://www.dtcc.edu/handbook) for information on the Academic Standing Policy, the Academic Integrity Policy, Student Rights and Responsibilities, and other policies relevant to their academic progress.

Core Curriculum Competencies (CCCs are the competencies every graduate will develop):

1. Apply clear and effective communication skills.
2. Use critical thinking to solve problems.
3. Collaborate to achieve a common goal.
4. Demonstrate professional and ethical conduct.
5. Use information literacy for effective vocational and/or academic research.
6. Apply quantitative reasoning and/or scientific inquiry to solve practical problems.

Program Graduate Competencies (PGCs are the competencies every graduate will develop specific to his or her major):

1. Install, configure and secure computer applications and operating systems.
2. Design, write, and debug computer programs.
3. Design and integrate databases in computer programs
4. Analyze and design complex computer applications to solve business problems.
5. Integrate the principles of the Internet into web development.
6. Incorporate the principles of networking and information security in computer application development.

Disabilities Support Statement:

The College is committed to providing reasonable accommodations for students with disabilities. Students are encouraged to schedule an appointment with the campus Disabilities Support Counselor to request an accommodation needed due to a disability. A listing of campus Disabilities Support Counselors and contact information can be found at the [disabilities services - https://www.dtcc.edu/disabilitysupport](https://www.dtcc.edu/disabilitysupport) web page or visit the campus Advising Center.