HTML and CSS – Spring 2018
WEB 110-003 (12386) – Saturday 9 AM – 11:50 AM – RC 323
Web Development and Digital Media Department
Computer Science and Information Technology Division
Johnson County Community College

Instructor Information: Patrick Lafferty, Associate Professor, Web Development and Digital Media
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M:	3:50 PM – 6:00 PM, 8:50 PM – 9:20 PM
T:	8:00 AM – 9:00 AM, 8:50 PM – 9:20 PM
R:	5:50 PM – 6:20 PM
Sat:	11:50 AM – 12:20 PM

Course Information: Credit hours: 3 Contact hours: 3 Lecture hours: 3

Pre- or Co-requisites:

Required textbook: Basics of Web Design, 4th Edition by Felke-Morris ISBN: 978-0134444338

Supplies: Removable storage (preferably a flash drive)

Other requirements:

Course Description: This course will cover the essential skills needed to create websites, with a focus on using HyperText Markup Language (HTML) and Cascading Style Sheets (CSS). Students will be introduced to the concepts, foundations, syntax and structure of HTML. Additional topics include the use of File Transfer Protocol (FTP) to publish websites and validation to web standards established by the World Wide Web Consortium (W3C) and other organizations.

Course Objectives:

Upon successful completion of this course, the student should be able to:

1. Explain how to create sites that are compliant with current W3C (World Wide Web Consortium) standards in Web development.
2. Create valid and semantically correct HTML pages.
3. Organize website files and FTP them to the Web.
4. Create valid HTML tables.
5. Create absolute, relative and anchor links.
6. Apply cascading styles to an HTML document through inline CSS, internal style sheet or external style sheet.
7. Test and troubleshoot HTML and CSS.
8. Create Web forms using HTML and style them with CSS.

Jump to the Course Calendar

Content Outline:

I. Web Page Building Blocks

- A. Develop Web page files.
- B. Describe W3C Web standards.
- C. Discuss how Section 508 of the Americans with Disabilities Act affects Web page design.
- D. Write the source code of a Web page.
- E. Describe Web page elements, attributes and values.

II. HTML Structure and Formatting

- A. Declare the encoding and create the foundation.
- B. Write semantically correct HTML.
- C. Identify the body of the Web page.
- D. Apply styles.
- E. Create structures for the Web page.
- F. Create hypertext and hypermedia links.

III. Web Page Files

- A. Define Web file naming conventions and file management.
- B. Use FTP to deploy pages to a Web server.

IV. Tables

- A. Discuss the appropriate use for HTML tables.
- B. Create and modify HTML table rows and columns.
- C. Apply styles to tables.

V. Absolute, Relative and Anchor Links

- A. Create links.
  1. Relative links to other pages
  2. Absolute links to other websites
- B. Create anchor links.
- C. Create targeting links.
- D. Use images as links.
- E. Discuss image maps.

VI. Cascading Style Sheets

A. Apply style rules.

B. Select elements by name, type or id.

C. Select part of an element.

D. Specify groups of elements.

E. Create an external style sheet.

F. Create an internal style sheet.

G. Apply styles locally.

H. Apply font family, italics, bold, size and font values.

I. Set text color, text background, text spacing and indents.

J. Apply background and foreground color.

K. Apply borders, padding and margins of elements.

L. Apply alignments.

M. Apply float.

N. Create flexible layouts.

VII. Testing and Validation

A. Test and validate HTML of the published website.

B. Test and validate CSS of the published website.

C. Employ popular Web browsers to test Web pages.

VII. Web Forms

A. Create a Web form.

B. Create form styles using CSS.

C. Define form fieldsets and legends.

D. Create form labels.

Methods of Evaluation:

Evaluation of student mastery of course competencies will be accomplished using the following methods:

Grade Distribution:		**Grading Scale:**
Eight Case Studies @ 10pts each	80	A = 90 – 100
Eight Quizzes @ 20pts each	160	B = 80 – 89
Final Project	100	C = 70 – 79
		D = 60 – 69
		F = below 60
	340 pts	