



## CIS 1811

**Division:** Career and Technical Education

**Department:** Information Technology

**Course:** CIS 1811

**Title:** Web Site Development

**Catalog Description:**

This course will teach students how to build and maintain effective web sites. This is not a course in layout and design. While students will gain experience with web-page editing software, this is primarily a hands-on course in the use of hypertext markup language (HTML) and JavaScript.

**General Education Requirements:** N/A

**Semesters Offered:** TBA

**Credit/Time Requirement:** Credit: 3; Lecture: 3; Lab: 1

**Clock/Hour Requirements:** 60

**Offered for Non-Credit:** Yes

**Prerequisites:** N/A

**Corequisites:** N/A

**Justification:**

This course has been approved by the program advisory committee. The skills required to create attractive, well-designed web pages are in high demand.

**Student Learning Outcomes:**

Upon successful completion of this course, students will be able to:

- understand the basic components of HTML and how it functions
- understand the basic components of JavaScript
- understand the effective use of web editing software in site development
- experience the process of using HTML and JavaScript to tune sites created with web editing software
- understand the necessary operations to create and maintain their own web pages.

**Content:**

Course objectives will be accomplished by providing students with learning experiences in the following subject areas:

- using HTML to create basic web page structures including:
  - formatted text
  - tables
  - frames
  - internal and external links
  - various list types
- implementing graphics into a web page
- applying JavaScript to a web page for enhanced effects
- debugging JavaScript in a working web page
- using web editing software in conjunction with HTML and JavaScript
- web page maintenance and management.

### **General Education Outcomes:**

1) Read effectively, constructively, and critically.

Students will be required to write response papers on the development of Information Technology and its impact on society. The papers will be reviewed and returned to the students with feedback for improvement.

2) Write clearly, informatively, and persuasively.

Students are required to give oral presentations on job related topics. Effective oral communication is a key component in this program.

4) Retrieve, evaluate, interpret, and deliver information through a variety of traditional and electronic media.

Students will utilize a variety of Internet resources to retrieve information for the completion of assignments. Instructors will provide feedback to students regarding the methods and tools utilized for these exercises.

5) Apply a cultural and historical awareness to a variety of phenomena.

Students will understand and discuss the historical aspects of IT development as well as the cultural implications of computer use and development in our society.

6) Apply computational skills to a variety of contexts.

Students will be required to utilize the binary, hexadecimal, and base-10 numbering systems in applying and managing screen display colors.

### **Key Performance Indicators:**

Student Learning Outcomes will be assessed by two or more of the following Key Performance Indicators:

- lab exercises
- quizzes
- tests
- exam or project.
- subsequent classes where students are expected to be familiar with creating web documents for other classes, individuals, or businesses.

### **Representative Text and/or Supplies:**

- Patrick Carey, *New Perspectives on HTML, XHTML, and Dynamic HTML: Comprehensive*, 4th Edition, Course Technology

**Optimum Class Size:** 15

**Maximum Class Size:** 20

**Signatures:**

I hereby submit this course syllabus:

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Michael P. Medley, MBA, Assistant Professor

I hereby find this course consistent with the goals and resources of the Information Technology Department:

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Michael P. Medley, MBA, Assistant Professor, Chair

I hereby find this course consistent with the goals and resources of the Career and Technical Education Division:

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Michael P. Medley, MBA, Assistant Professor, Dean

I have discussed the need for library resources related to this class with the person submitting the syllabus:

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Lynn Anderson, MLIS, Technical Services Librarian (Main Campus)

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Michelle Olsen, MLS, Campus Librarian (Richfield Campus)