CIS 1811

Division: Career and Technical Education
Department: Computer Information Systems
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: 0
Clock/Hour Requirements: 45
Offered for Non-Credit: No
Prerequisites: None

Corequisites: None

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 read from the assigned text, reference manuals, and industry journals to retrieve, analyze, and synthesize information into design, repair, and troubleshooting situations.

2) Write clearly, informatively, and persuasively.
Students are required to write response papers on current topics in the IT industry. These papers are reviewed and returned to students for improvement.

4) Retrieve, evaluate, interpret, and deliver information through a variety of traditional and electronic media.
Students will research technical issues through the internet, industry journals, and reference manuals.

5) Apply a cultural and historical awareness to a variety of phenomena.
Students will be aware of the changing nature of the computer field and how it impacts use of dated software with newer and older hardware. An awareness of the history and development of computers is a must for professional preparation.

6) Apply computational skills to a variety of contexts.
Students will be required to utilize the binary, hexidecimal, and base-10 numbering systems in situations such as network addressing and screen display colors.

Key Performance Indicators:

In class:

- Student grades will be based on a combination of lab exercises (5-25%), quizzes (5-25%), tests (10-50%), and a final exam or project (20-50%).

Following class:

- Post evaluation will be measured by subsequent classes and being able to create web documents for other classes, individuals, or businesses.

Representative Text and/or Supplies:

- To be chosen from the best texts available in print just prior to the semester that the class is offered.

Optimum Class Size:

15

Maximum Class Size: 20

Signatures:

I hereby submit this course syllabus:

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I hereby find this course consistent with the goals and resources of the Computer Information Systems 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)