

NWACC Business & Computer Information Division

Computer Information Department Course Outline

CISM 2123 Introduction to Web Page Design (F, S)

Course Number and Name

CISM 2123 Introduction to Web Page Design

Catalog Description

An introduction to basic Web Page Design. Students will learn how to use HTML to design their own web pages. Coverage includes basic HTML coding for structuring web pages, CSS coding allowing the styling and layout of page elements, as well as addressing responsive and adaptive coding for the mobile web. (Outside lab time will be required.)

Prerequisites

None

Credit Hours/Contact Hours/Load Hours

3/3/3

Student Learning Outcomes

Students completing this course will:

- Create a simple website using the current HTML and CSS web standards
- Demonstrate an understanding of the syntax of HTML and CSS
- Insert graphic images into a web page
- Create image maps by mapping coordinates
- Create hyperlinks on text and graphics resulting in intuitive and efficient navigation systems
- Incorporate elements such as tables, forms, multi-media clips, and Java applets to enhance websites
- Create and Incorporate basic JavaScript code to add functionality to websites
- Create a website that effectively includes thorough content
- Create a website with efficient navigation system to lead the user to all the content
- Create a website that is aesthetically pleasing

Topics

- Introduction to the history of HTML and the WWW
- Creating a Simple HTML Document Using Headings, Paragraphs, images, and Lists
- Creating a multi-paged website and enhancing its appearance and layout with CSS
- Creating, editing, and styling tables, forms, multi-media content, and Java Applets
- Creating special effects on websites using more advanced CSS concepts

- Using CSS to create adaptive and responsive web sites which can be viewed on a variety of devices (mobile computing)
- Using CSS to create a printer-friendly version of the website
- An introduction to programming with JavaScript

Forms of Assessment

Hands-on projects, quizzes, and a comprehensive final project which accounts for 20-25% of the final grade