

Course Outline

CMSY-147

Introduction to Web Site Authoring

3 Semester Hours

HOWARD COMMUNITY COLLEGE

Description

This course introduces students to software for creating web sites, including GUI HTML programs, web image creation software, and multimedia creation for the web. It also introduces principles of web site design. Familiarity with a computer and file management skills are strongly recommended before enrolling in this course.

Overall Course Objectives

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

1. Use basic features of FrontPage in creating an informational web site.
2. Use basic and intermediate features of Dreamweaver in creating a web site.
3. Use Fireworks to create web images, including GIF, JPEG, and rollover images.
4. Compare Adobe Photoshop features in creating images for web sites.
5. Create Vector animations in Flash and explain the difference with GIF animations.
8. Identify good web design principles,
9. Plan a web site.

Major Topics

1. Planning Web Sites

Determining goals and objectives

Planning websites with the Mindmapping process

Making all web pages accessible with 3 clicks from anywhere within a website

2. FrontPage

Creating a Web page in FrontPage

Working with Page View, Folder view, Navigation View, Reports, and Task List.

Working with shared borders

Understanding the function of FrontPage Server Extensions

Using FrontPage file management tools

Creating Tables and Forms

Uploading web pages to a web server

3. Dreamweaver

Identifying elements of the main editing windows –

Workspace, Property Inspector, Objects Panel, and Launcher

Using layers and tables for web page layout.

Managing web sites

- Creating Forms
- Creating image maps
- Working with rollover images and other DHTML
- Creating Forms
- Creating and using Dreamweaver templates
- Uploading web pages to a web server

4. Web Images Creation with Fireworks

- Creating GIF and JPEG images for web sites
- Creating animated GIF files
- Creating Transparent GIF images
- Choosing File size vs. quality when compressing JPEG images
- Optimizing Images

5. Adobe Photoshop

- Creating button images for web sites
- Creating animated and transparent GIF files
- Creating rollover images
- Optimizing Images

6. Flash

- Creating animations in Flash
- Working with the Flash timeline
- Using Flash Key Frames and Normal Frames
- Creating Shape Tweens and Motion Tweens
- Understanding Design Issues in Using Multimedia

7. Principles of Web Design

- Focusing on User needs
- Understanding the Function of Color
- Using HTML Hexadecimal Color Code
- Using of Fonts
- Understanding the Functions of Navigation Bar Layout options

Course Requirements

Specific assignments and procedures for evaluating student performance in the class will be described in the individual class syllabus, but will include the following:

1. Written tests on definitions and procedures.
2. Computer tests to demonstrate knowledge of concepts.
3. Projects to demonstrate understanding of concepts.

Other Course Information

This course is a business and internet elective.