

WEB 140
WEB DEVELOPMENT TOOLS

COURSE DESCRIPTION:

Prerequisite: None

Corequisite: None

This course provides an introduction to web development software suites. Topics include the creation of web sites and applets using web development software. Upon completion, students should be able to create entire web sites and supporting applets. Course Hours Per Week: Class, 2. Lab, 2. Semester Hours Credit, 3.

LEARNING OUTCOMES:

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

- a. Create web pages using industry standard web development software;
- b. Apply syntax rules of HTML and CSS;
- c. Insert images and videos into a web page using industry standard web development software;
- d. Create web pages with tables, forms, styles and style sheets (CSS) using industry standard web development software;
- e. Create a fully developed website;
- f. Create interactive web forms using industry standard web development software;

OUTLINE OF INSTRUCTION:

- I. Understanding Website Design
 - A. Planning and Designing a Website
 - B. Intro to Fundamentals of HTML
 - C. Understanding CSS

- II. Creating a Webpage in Dreamweaver
 - A. Creating Your First Webpage
 - B. Adding HTML Content
 - C. Creating a Local Site in Dreamweaver

- III. Styling the Content
 - A. Styling Content with CSS

- B. Creating a Layout with CSS
- C. Exporting images from Photoshop
- D. Adding and Manipulating Images
- IV. Adding Navigation and Pages
 - A. Adding Links
 - B. Creating Navigation
 - C. Building Transitions with Navigation
 - D. Adding Multiple Pages
- V. Creating a Flexible "Responsive" Layout
 - A. Adding Media Queries
 - B. Creating Layouts for Phone and Tablet Devices
- VI. Adding Media
 - A. Implementing an Edge Animate composition
 - B. Implementing Video
 - C. Adding Social Media
- VII. Creating a Contact Form
 - A. Adding Input Fields
 - B. Sending Contact Form Content
- VIII. Testing and Uploading
 - A. Testing the Website
 - B. Optimizing for Search Engines
 - C. Uploading the Site
- IX. Building Your Own Website Using This Model
 - A. Design and Plan Your Website
 - B. Develop a Layout and Images
 - C. Code Your Website
 - D. Upload and Test Your Website