

# WEB 140 Web Development Tools

## COURSE DESCRIPTION:

Prerequisites: None

Corequisites: None

This course provides an introduction to web development tools. Topics include creating websites using web development tools and web standards. Upon completion, students should be able to create small web sites and upload files to a web server.

Course Hours per Week: Class, 2. Lab, 3. Semester Hours Credit, 3.

## LEARNING OUTCOMES:

Upon completing requirements for this course, the student will be able to:

1. Create a responsive website using WordPress.
2. Insert media into a webpage using WordPress.
3. Create webpages with forms, styles, and CSS style sheets using WordPress.

## 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 WordPress
  - A. Creating Your First Webpage
  - B. Adding HTML Content
  - C. Creating a Local Site in WordPress
- III. Styling the Content
  - A. Styling Content with CSS
  - B. Creating a Layout with CSS
  - C. Exporting images
  - 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

**REQUIRED TEXTBOOK AND MATERIAL:**

The textbook and other instructional material will be determined by the instructor.