

## Web Design

**COURSE DESCRIPTION:** This one-semester course introduces students to the mechanics and elements of web design and HTML, and the concepts of planning and organizing websites. Students engage in a variety of project-based assessments to evaluate their understanding and progress. After completing the course, students are able to understand the planning and organization of a website, the elements of design and HTML. Students also learn how to use a WYSIWIG editor and other online tools to create a website.

**PREREQUISITES:** None

**COURSE LENGTH:** One Semester

**REQUIRED TEXT:** None

**MATERIALS LIST:** Windows or Mac Operating System

**NOTE:** List subject to change

### **COURSE OUTLINE:**

#### **Unit 1: Course Overview**

- Lesson 1: Start the Course
- Lesson 2: Set up Your Computer
- Lesson 3: Set up a Browser and Zip Files
- Lesson 4: Download Resources and Zip Assignments

#### **Unit 2: Planning and Organizing**

- Lesson 1: The Role of a Webmaster
- Lesson 2: Purpose and Audience
- Lesson 3: Folders and Filenames
- Lesson 4 – 5: Webmaster Roles Graded Assignment
- Lesson 6: Portfolio Structure Assignment
- Lesson 7: Unit Review and Quiz

#### **Unit 3: Introduction to HTML**

- Lesson 1: Beginning HTML
- Lesson 2 – 4: Create an Invitation Graded Assignment

- Lesson 5: Accessibility and Design
- Lesson 6 – 8: Turn Your Essay into a Website Graded Assignment
- Lesson 9: Hyperlinks
- Lesson 10 – 12: Hyperlinks Graded Assignment

#### **Unit 4: Graphics and HTML**

- Lesson 1: Graphics
- Lesson 2- 4: Colors Website Graded Assignment
- Lesson 5: Tables
- Lesson 6 – 8: Create a Table Graded Assignment
- Lesson 9: Special Effects
- Lesson 10 – 12: Website Titles Graded Assignment
- Lesson 13: Discussion – Important Elements of Design
- Lesson 14 – 17: Set Up Your Portfolio Graded Assignment
- Lesson 18: Unit Review and Quiz

#### **Unit 5: Copyright Law**

- Lesson 1: What is Copyright Law?
- Lesson 2: Finding, Saving, and Citing Images
- Lesson 3 – 5: Citations Graded Assignment
- Lesson 6: Obtaining Permission
- Lesson 7 – 9: Permission Letter Graded Assignment
- Lesson 10: Discussion – Copyright
- Lesson 11: Unit Review and Quiz

#### **Unit 6: WYSIWYG Editors**

- Lesson 1: BlueGriffon Web Page Editor
- Lesson 2 – 4: Autobiography Table Graded Assignment
- Lesson 5: Using CSS in BlueGriffon
- Lesson 6 – 8: Autobiography Fonts Graded Assignment
- Lesson 9 - 11: Start Your Autobiography Graded Assignment
- Lesson 12: Graphics in BlueGriffon
- Lesson 13 – 15: Autobiography Graphics Graded Assignment
- Lesson 16: Navigation in BlueGriffon

- Lesson 17 – 19: Autobiography Navigation Bar Graded Assignment
- Lesson 20: Discussion – WYSIWYG
- Lesson 21: Unit Review and Quiz

#### **Unit 7: Final Project**

- Lesson 1: Begin Your Project
- Lesson 2: Project Plan
- Lesson 3: Project Plan Checkpoint
- Lesson 4 – 5: Project Color and Style
- Lesson 6: Project Color and Style Checkpoint
- Lesson 7: Project Research
- Lesson 8: Project Research Checkpoint
- Lesson 9 – 11: Setting Up Your Pages
- Lesson 12: Setting Up Your Pages Checkpoint
- Lesson 13 – 16: Final Project
- Lesson 17: Final Exam