Fairfax Collegiate

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Web Design 7-9 Syllabus

Course Goals

1 Design Principles
Students learn fundamental principles of visual design and content creation.

2 Coding Web Sites
Students learn technical skills for creating web sites, including HTML5, CSS, and JavaScript.

3 Final Project Web Site
Students create a personal web site about the topics of their choice, learning to apply principles for creating their own content-rich, well-designed sites.

Course Topics

1 HTML
Students learn the fundamental structure of a web site using HTML tags.

2 CSS
Students create vivid, compelling content using CSS stylesheets.

3 JavaScript
Students create responsive content using simple JavaScript.

4 Web Design Tools
Students learn how to use various simple tools to help with web design, including GIMP for image editing and Notedpad++ for modifying code.

5 Image Editing and Design
Students create and edit images and photographs to add multimedia content to their web sites.

Course Schedule

Day 1
Introduction to Course
Students review HTML, GIMP, and CSS.

Create New Web Pages
Students begin creating new HTML files.

Day 2
Block and Inline Elements
Students learn how to implement block and inline elements in their web pages.

DIVs and SPANs
Students explore the uses of div and span elements.

Day 3
Review of CSS Rules and Syntax
Students review CSS rules.

Multi-Column Layouts
Students use CSS to create multi-column layouts.

Day 4
Creating Hyperlinks
Students learn how to add hyperlinks to their web pages.

Using Cameras to Create Website Images
Students use digital cameras to create images for their websites.

GIMP Photo Editing
Students use GIMP to edit photos they've taken to add to their websites.

Day 5
Inline Graphics
Students learn how to add graphics within the text of their web pages.

Image Effects
Students use GIMP to add effects to images on their websites.

Day 6
Text Decorations
Students learn how to emphasize different portions of their text using emphasis tags.

Construction and Style of Forms
Students learn how to use forms to receive input from the users of their sites.

Introduction to JavaScript
Students learn how to use JavaScript to create interactive web pages.

Day 7
Borders and Backgrounds in CSS
Students learn how to add more styles to their web pages using CSS.

Gradients
Students learn how to use gradients to make their web pages and images have more layers.

Animated GIFs

Students learn how to create animated GIFs.

Day 8

Web Hosting and Copyright Laws
Students learn how to host their web pages on the internet.

Mouseover Changes, Styles, and Forms with JavaScript
Students learn various additional effect JavaScript can have on their web pages.

Day 9

Websites
Students work on their final project, completing a website.

Final Project Workshop
Students work on their final projects.

Day 10

Share Websites
Students share their completed web pages with their classmates.

Review
Students review the material they've discussed throughout the class.

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