



Course Information

Web Design & Development

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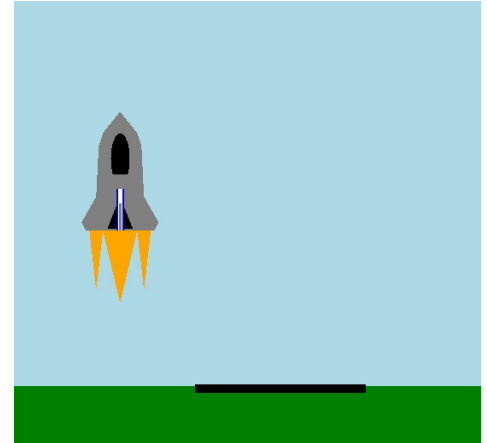
A graphic of the HTML code symbol "<html>" in white, bold, lowercase letters, set against a dark blue rectangular background with a subtle shadow effect.

<html>

What is our teaching philosophy?

Students will...

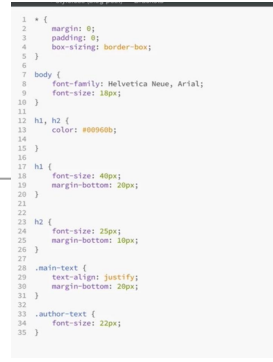
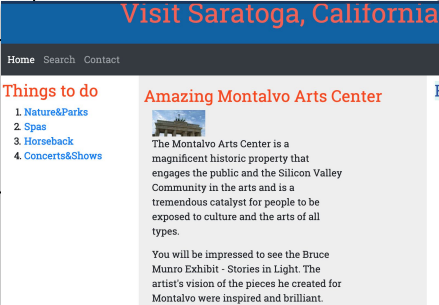
- ❖ Learn core fundamental concepts
- ❖ Experience visual and interactive learning
- ❖ Watch their *own* code come alive
- ❖ Develop *lifelong* problem solving skills



Introduction to Web Design

- Recommended Grades: 5+
- Course Description
 - HTML (the Hypertext Markup Language) and CSS (Cascading Style Sheets) are two of the core technologies for building Web pages. HTML provides the *structure* of the page, CSS the (visual and aural) *layout*. In this course, students will learn the basics of HTML, how to publish these pages and how to apply CSS in order to present their web pages with design styles that are appealing and appropriate.
- Learning Objectives
 - HTML tags
 - Design thinking & CSS
 - Designing and hosting a personal web site
- Prerequisites: None, For beginners with no prior coding experience


Course Outline

Modules	Learning Goals	Sample Projects
<p>Module1: The Web and HTML</p> <ul style="list-style-type: none">● How the Web Works● HTML & Basic Tags	<p>Basics of internet technology Html tags using Visual Studio Code as Editor</p>	 <pre>1 * { 2 margin: 0; 3 padding: 10px; 4 border: 1px solid #ccc; 5 } 6 7 body { 8 font-family: Helvetica Neue, Arial; 9 font-size: 18px; 10 } 11 12 h1, h2 { 13 color: #009900; 14 } 15 16 h1 { 17 font-size: 48px; 18 margin-bottom: 20px; 19 } 20 21 h2 { 22 font-size: 28px; 23 margin-bottom: 10px; 24 } 25 26 .main-text { 27 text-align: justify; 28 margin-bottom: 20px; 29 } 30 31 .author-text { 32 font-size: 22px; 33 }</pre>
<p>Module 2: CSS</p> <ul style="list-style-type: none">● Basics of CSS● Building a Web Page Layout● CSS Box Model	<p>Using Grid model to build page layout Applying styles via CSS Creating a stylized bootstrap layout web page</p>	 <p>Visit Saratoga, California</p> <p>Home Search Contact</p> <p>Things to do</p> <ol style="list-style-type: none">1. Nature&Parks2. Spas3. Horseback4. Concerts&Shows <p>Amazing Montalvo Arts Center</p> <p>The Montalvo Arts Center is a magnificent historic property that engages the public and the Silicon Valley Community in the arts and is a tremendous catalyst for people to be exposed to culture and the arts of all types.</p> <p>You will be impressed to see the Bruce Munro Exhibit - Stories in Light. The artist's vision of the pieces he created for Montalvo were inspired and brilliant.</p>
<p>Module 3: User Experience</p> <ul style="list-style-type: none">● Web Design Thinking and Principles	<p>Creative thinking and prototyping</p>	
<p>Module4: Completing an end-to-end Web project</p>	<p>Personalized web site and hosting it online!</p>	

Intermediate Web Design

- Recommended Grades: 6+
- Course Description
 - HTML (the Hypertext Markup Language) and CSS (Cascading Style Sheets) are two of the core technologies for building Web pages. HTML provides the *structure* of the page, CSS the (visual and aural) *layout*. In addition Javascript is the third leg of the stool, enabling web pages to be dynamic in nature. In this course, students will learn the basics of HTML, CSS and layer on javascript to program dynamic web pages and bring them to life!
- Learning Objectives
 - HTML, CSS
 - Programming using Javascript
 - Designing and hosting a dynamic web site
- Prerequisites: None, For beginners with no prior coding experience

Course Outline

Modules	Learning Goals	Sample Projects
<p>Module1: The Web and HTML</p> <ul style="list-style-type: none">• How the Web Works• HTML & Basic Tags	<p>Basics of internet technology Html tags using Visual Studio Code as Editor</p>	
<p>Module 2: CSS</p> <ul style="list-style-type: none">• Basic CSS• Building a Web Page Layout• CSS Box Model	<p>Using Grid model to build page layout Applying styles via CSS Creating a stylized bootstrap layout web page</p>	
<p>Module 3: User Experience</p> <ul style="list-style-type: none">• Web Design Thinking and Principles	<p>Creative thinking and prototyping</p>	
<p>Module4: Javascript</p> <ul style="list-style-type: none">• DOM, variables, logic & loops	<p>Fundamentals of scripting and creating a dynamic web page</p>	
<p>Module5: Completing an end-to-end Web project</p>	<p>Personalized web site and deploying it online!</p>	

Card War Game

Cloud hosted personal website