

Topics/Content/Outline:

Topics include: advanced client side technologies to implement website designs, animations and communicate with the web server

Expanded Outcomes	
Outcome 1: Explain and apply the fundamentals of CSS.	<ul style="list-style-type: none"> • Explain Benefits of CSS. • Explain Standards of CSS. • Write complex CSS rules. • Apply CSS to a website appropriately.
Outcome 2: Explain and apply the fundamentals of JavaScript.	<ul style="list-style-type: none"> • Use JavaScript Basics. • Work with DOM (Document Object Model). • Create Cross-Browser Scripts • Work with CSS. • Create JavaScript Animations
Outcome 3: Use current client-side website development languages/technologies create a complex commercial or educational website.	<ul style="list-style-type: none"> • Explain and demonstrate how to implement client-side animations • Explain and demonstrate how to implement client-side functionalities. • Explain and demonstrate how to embed a client-side application on a webpage and communicate with the rest of the website. • Explain and demonstrate how to communicate with the server resources in client-side scripting.
Outcome 4: Use the features of Web/Multimedia authoring packages to create a complex commercial or educational website with effective navigational interface.	<ul style="list-style-type: none"> • Demonstrate the principles of effective Web site design. (Range: navigation, browser recognition, page re-direction, form validation, search and replace, includes, site search) • Demonstrate the seamless use of multimedia elements in a complex Web page. (Range: text, background colour, graphics, GIF animation, Flash animation, sound, and video) • Create multiple Web pages including an effective navigational interface. • Present the website together with its promotional strategy. • Conduct user-testing sessions.

Assessment:

Weighting	Nature of assessment	Learning Outcomes
20%	Assignment – implementation of a simple website to demonstrate mastery of javascripts and CSS	1, 2
30%	Test – practical demonstration to demonstrate mastery of client side techniques	3,4
50%	Project	1, 2, 3, 4

Learning and teaching approaches: