

OUTCOMES BASED LEARNING MATRIX

Course: CTIM147 – Internet: Creating a Home Page (1 credit, 15 hours)
Department: Computer Technology and Information Management

Course Description: This course introduces students to Web page development. Students will evaluate a variety of Web sites and then produce one of their own. Students will use HTML and JavaScript to create a Web site. Students will learn the basic HTML tags as well as how to use tables and add links, graphics, animated gifs, and sound to a Web page. After creating a Web site, students will consider how to obtain a domain name and presence on the Web.

Prerequisite: None

While completing the table below, remember that the individual outcomes you list in the first column should answer this question: **What must the learner know and be able to do at the end of the course?** Items in the third column should answer the question: **How do we know?** The second column is where teachers can be most creative; it's for pedagogy. Each rectangle in column one should contain just one outcome; the corresponding rectangles in columns two and three, however, may contain more than one item. Using the code at the end of the matrix, indicate the core competencies being strengthened by the outcomes activities and the assessment tools.

COURSE OUTCOMES	COURSE ACTIVITIES	ASSESSMENT TOOLS
At the end of this course, the student will be able to create a website using HTML5 and CSS. The student will be able to do the following: <ul style="list-style-type: none"> ▪ set up a folder structure for a website ▪ structure and create a web page using a wireframe 	1. <ol style="list-style-type: none"> a. define a folder structure for a website (CCT, IG, IL, OC, WC) b. explain the purpose for each folder and what it contains (CCT, IG, OC, WC) c. create a template and wireframe for a web page 	1. quiz/test on terminology, tags, structure and content (CCT, OC, WC, IG, IL) 2. create, save, and submit a template with wireframe to be used as basic page throughout site (CCT, IG, IL, OC, WC) 3. submit folder structure for website with written explanation

<p>structure and HTML5 tags</p> <ul style="list-style-type: none"> ▪ understand and use HTML5 tags ▪ understand and use CSS ▪ produce web pages using tables, links, images, lists, blockquotes, special characters, and css ▪ describe the advantages and disadvantages of HTML5 and CSS ▪ add multimedia to a website ▪ set up a folder structure for a website ▪ create a template and wireframe for a website ▪ describe accessibility considerations for sites ▪ describe changes in markup language and deprecated tags ▪ research and describe role of W3C in advancing HTML ▪ research and discuss publishing on the web ▪ publish site ▪ correct pages and add pages to a published site ▪ create and produce an original site 	<p>(CCT, IG, IL, OC, WC)</p> <ol style="list-style-type: none"> d. add appropriate head and body tags to a web page (CCT, IG, IL, OC, WC) e. save the page with the html extension and view it in a browser (CCT, IG, IL, OC, WC) f. display ability to create web pages using HTML5 tags for headings, paragraphs, line breaks, lists, blockquotes, anchors, links, images, special characters, tables, and forms (CCT, IG, OC, IL, WC) g. discuss and examine various css styles; such as, inline, embedded, and cascading style sheets (CCT, OC, WC, IL) h. add css styles to a website (CCT, OC, WC, IL) i. research and describe the advantages and disadvantages of HTML5 and CSS (CCT, OC, WC, IL, GL) j. discuss and give examples of deprecated tag (CCT, OC, WC, IL). k. research in W3C changes in 	<p>of folders and contents (CCT, IG, IL, OC, WC)</p> <ol style="list-style-type: none"> 4. submit zipped folder containing website with template, index page, and otherlinked pages (CCT, IG, IL, OC, WC) 5. submit report on evolution of HTML and CSS, deprecated tags, role of W3C, accessible sites, acquiring domain names, and publishing sites(CCT, OC, WC, IG, IL) 6. add video, audio, and flash to a website (CCT, IG, OC, IL, WC) 7. create and publish an original website as outlined by instructor (CCT, IG, OC, IL, WC)
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<ul style="list-style-type: none"> ▪ consider and discuss problems involved in web publishing and maintenance ▪ 	<p>tags from various stages in web development (CCT, OC, WC, IL)</p> <p>l. research accessibility requirements for sites to comply with Section 508 of the Rehabilitation Act (CCT, IG, OC, WC, GL, CE)</p>	
	<p>m. discuss and add audio and video elements to a website (CCT, IG, OC, WC, IL, CE)</p> <p>n. research how to acquire domain name for site (CCT, OC, WC, IL)</p> <p>o. research publishing a site (CCT, OC, WC, IL)</p> <p>p. create a site with a proper file structure, template with wireframe, index page, and four other pages to be assigned (CCT, OC, WC, IL)</p> <p>q. publish the site created as outlined above (CCT, OC, WC, IL)</p>	

*Try to express an outcome as an infinitive phrase that concludes this sentence: **At the end of the course, the students should be able to . . .** Finding the line between too general and too specific can be difficult. In an English Composition course, for instance, it is probably too general to say, "The student should be able to write effective essays." It is probably too specific to say, "The student should be able to write an introductory paragraph of at least 50 words, containing an attention-getting device, an announcement of the narrowed topic, and an explicit thesis sentence." Just right might read, "The student will write introductions that gather attention and focus the essay."

**Indicate the Core Competencies that apply to the outcomes activities and assessment tools: Critical Thinking (CT); technology skills (TS); oral communications (OC); quantitative skills (QS); reading (R); writing (w).