

DESE Model Curriculum: Web Design (CIP Code: 11.0103)

GRADE LEVEL/UNIT TITLE: 11-12/Use Advanced Web Creation Techniques

Course Code: 034393 CIP Code: 11.0103

COURSE INTRODUCTION		
<p>This course deals with the use of Web programming languages (HTML, Javascript, etc.), graphics applications, and other Web authoring tools to design, edit, launch, and maintain Web sites and pages. Such topics as Internet theory, Web page standards, Web design elements, user interfaces, special effects, navigation, and emerging Web technologies will be included.</p> <p>Course rationale: Rapid technological advancement by businesses to reach global markets, greater focus on industry certifications and national skill standards, expansion of responsibilities of office workers, portability of employee skills—all these increase the need for business students in career education programs to have skills in Web design and maintenance.</p>		
UNIT DESCRIPTION	SUGGESTED UNIT TIMELINE	
<p>In this unit, students will learn how to control the visual presentation of web page elements using Cascading Style Sheets (CSS). The students will learn to add behavior to their web pages using scripts, which make them interactive.</p>	30-40 days	
	CLASS PERIOD (min.)	50 minutes
ESSENTIAL QUESTIONS		
<p>How do you choose between HTML, Cascading Style Sheets (CSS), and Scripting when developing a web page?</p>		
ESSENTIAL MEASURABLE LEARNING OBJECTIVES	NBEA STANDARD	DOK
1. Create interactive design elements (e.g., rollover, swap image, slideshow)	IT.V.3.5	4
2. Incorporate browser plug-ins (e.g., Adobe Acrobat.pdf, Flash.swf, Quicktime.mov)	IT.VII.3.1 IT.V.3.5	4
3. Use Cascading Style Sheets (CSS) to control page elements (e.g., external, internal, inline)	IT.V.3.5	4
4. Apply animation tools and techniques	IT.V.3.5	4
ASSESSMENT DESCRIPTIONS		
n/a		
OBJ. #	INSTRUCTIONAL STRATEGIES	
1, 4	1. Class Discussion-Basic Flash Tips Handout	
1, 2, 4	2. Class Discussion and Tutorial-Motion Guide Advanced Flash Animation	
2, 3	3. Class Discussion-10 Most Annoying Web Site Mistakes	
OBJ. #	INSTRUCTIONAL ACTIVITIES	
1, 4	1. Class Discussion-Basic Flash Tips Handout	
1, 2, 4	2. Class Discussion-Motion Guide Advanced Flash Animation; Class Tutorial – Website Helpers and Website Usability	
2, 3	3. Class Discussion-Article Plugin Free Browsing via http://msdn.microsoft.com/en-us/library/ie/hh968248(v=vs.85).aspx	
UNIT RESOURCES		
n/a		