CIS 58.51B Course Outline as of Fall 2001

CATALOG INFORMATION

Dept and Nbr: CIS 58.51B Title: WEB PAGES 2 - HTML
Full Title: Creating Web Pages 2 - HTML
Last Reviewed: 9/27/2010

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.50	Lecture Scheduled	2.00	8	Lecture Scheduled	16.00
Minimum	1.50	Lab Scheduled	0	3	Lab Scheduled	0
		Contact DHR	3.50		Contact DHR	28.00
		Contact Total	5.50		Contact Total	44.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 32.00 Total Student Learning Hours: 76.00

Title 5 Category:	AA Degree Applicable
Grading:	Grade or P/NP
Repeatability:	00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:	
Formerly:	CIS 84.42B

Catalog Description:
A course for students who wish to incorporate the advanced features of Hypertext Markup Language (HTML) when designing Web pages. Students will incorporate animated gifs, client side image maps, frames, server side includes access counters, cascading style sheets, and simple forms which send data as an email message. Web browsers will be compared and compatibility issues explored. Principles of color, line and design as they apply to screen presentations will be included.

Prerequisites/Corequisites:
Completion of CIS 58.51A (formerly CIS 84.42A) with a grade of "C" or better.

Recommended Preparation:
Eligibility for ENGL 100 or ESL 100.

Limits on Enrollment:

Schedule of Classes Information:
Description: A course for students who wish to incorporate the advanced features of Hypertext Markup Language (HTML) when designing Web pages. Students will incorporate animated gifs, client side image maps, frames, server side includes access counters, cascading style sheets, and

simple forms which send data as an email message. Web browsers will be compared and (Grade or P/NP)
Prerequisites/Corequisites: Completion of CIS 58.51A (formerly CIS 84.42A) with a grade of "C" or better.
Recommended: Eligibility for ENGL 100 or ESL 100.
Limits on Enrollment:
Transfer Credit: CSU;
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**			Effective:	Inactive:
CSU GE:	**Transfer Area**			Effective:	Inactive:
IGETC:	**Transfer Area**			Effective:	Inactive:
CSU Transfer:	Transferable	Effective:	Spring 1996	Inactive:	Fall 2015
UC Transfer:		Effective:		Inactive:	

CID:

Certificate/Major Applicable:
Certificate Applicable Course

COURSE CONTENT

Outcomes and Objectives:
The student will:
1. Create an HTML project that includes the following items:
   a. Animated GIFs
   b. Image map
   c. Frames
   d. Server Side Includes
   e. Access counter
   f. Cascading style sheets
   g. Form
   h. Processing form data
3. List 4 capabilities and 4 limitations of HTML.
4. Identify three sources of information/assistance for creating web pages.
5. List and describe 10 principles of color, line and design as they will analyze these screens using the criteria they have generated.
6. Use a Web site development tool to create a Web page
7. Analyze their website to ensure that it retains its functionality on multiple platforms and multiple browsers

Topics and Scope:

1. HTML Editors
   a. Code Generators vs. WSIWG

2. Advanced Markup Tags
   a. Client side image maps
      1) Imagemap helper applications
      2) Simple ideas for creating imagemap graphics
   b. Frames
      1) Frame tags
      2) Targets within frames
   c. 3) I frames
   f. HTML Tags for Forms
      1) Method Tag
      2) Field Tags
         a) Text
         b) Radio buttons
         c) Checkbox
         d) Pop down menu
         e) Submit/Reset
   g. Processing a Form
      1) Sending the form data as an email stream
      2) Processing the Data Stream
   h. Cascading style sheets
   i. Access counters
   j. Animated gifs
   k. Server Side Includes
      1) including files
      2) environmental variables
      3) access counters
3. Elements of Effective Screen Design
   a. Graphical Interface vs. Text Based
      1) Principles of designing with Fonts
      2) Using symbols and graphics to replace text
   b. Screen Design Principles
      1) Color Theory
      2) Effective use of Line
      3) Special Effects Use vs. Abuse
   c. Designing for the Mac and PC platforms
   d. Designing for various web browsers
      1) Netscape
      2) Internet Explorer
      3) AOL

Assignment:

1. Create a web site which contains the following elements:
   a. Image Map
   b. Frames
   c. Server Side Includes
   d. Forms
   e. Access counter
   f. Cascading style sheets
   g. Animated gif
2. Research web sites and analyze them regarding the following elements:
   a. Use of color

b. Graphics
c. Organization of data
d. Speed which pages load
e. Quality

3. Research web sites for technical support regarding web page creation.
4. Critique web sites using the on-line forms.
5. Present their web project to the class.

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None, This is a degree applicable course but assessment tools based on writing are not included because problem solving assessments and skill demonstrations are more appropriate for this course.	Writing 0 - 0%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Incorporate class concepts into a web site	Problem solving 20 - 40%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Performance exams	Skill Demonstrations 40 - 50%

Exams: All forms of formal testing, other than skill performance exams.

Multiple choice, Matching items, Completion, SHORT ANSWER	Exams 20 - 30%

Other: Includes any assessment tools that do not logically fit into the above categories.

None	Other Category 0 - 0%

Representative Textbooks and Materials:
"Teach Yourself HTML in a Week, 4th Edition", by Laura Lemay - Sams Publishing 1997