

**CIS 84.42A Course Outline as of Spring 1995****CATALOG INFORMATION**

Dept and Nbr: CIS 84.42A Title: WEB PAGES

Full Title: Designing Internet Web Pages

Last Reviewed: 12/7/2009

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	1	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: 04 - Different Topics

Also Listed As:

Formerly:

**Catalog Description:**

A beginning hands-on introduction to using a Hypertext Mark-up Language (HTML) to design Web pages which will be displayed on the World Wide Web. The students will learn the rudiments of how HTML works. They will link to other HTML documents, incorporate graphics, sound, and animation, and the process of converting existing documents to HTML. Principles of color, line and design as they apply to screen presentations will be included. (CR/NC option) (Repeat Code 4)

**Prerequisites/Corequisites:**

Course Completion of CS 101B ( or CIS 101B) OR Course Completion of CS 105B ( or CIS 105B or CIS 81.5B or BDP 81.5B) OR Course Completion of CS 5 ( or CIS 5 or BDP 5 or BDP 51) OR Course Completion of CIS 81.1 ( or BDP 81.1)

**Recommended Preparation:****Limits on Enrollment:****Schedule of Classes Information:**

Description: A beginning hands-on introduction to using a Hypertext Mark-up Language

(HTML) to design Web pages which will be displayed on the World Wide Web. The students will learn the rudiments of how HTML works. They will link to other HTML documents, incorporate graphics, sound, & animation, & the process of converting existing documents to HTML. Principles of color, line & design as they apply to screen presentations will be included. (Grade or P/NP)

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Recommended:

Limits on Enrollment:

Transfer Credit: CSU;

Repeatability: Different Topics

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>CSU Transfer:</b>	Transferable	Effective: Spring 1995	Inactive: Fall 2015
<b>UC Transfer:</b>		Effective:	Inactive:

**CID:**

**Certificate/Major Applicable:**

Not Certificate/Major Applicable

## **COURSE CONTENT**

### **Outcomes and Objectives:**

The student will:

1. List and describe the software and hardware requirements of setting up a WWW browser in your home.
2. Identify 5 existing HTML screens which they feel are attractive examples of screen design.
3. Create an HTML project that includes the following items:
  - Links within the document
  - Links to other documents
  - In-line graphics
  - External graphics
  - Fill out form
  - Sound
  - Animation
4. Understand the capabilities and limitations of HTML.
5. Convert an existing document to HTML.
6. Be able to electronically access 3 WWW sites which have support material for HTML.
7. Given a list of 20 HTML markup tags define them with 80% accuracy.
8. Identify three sources of information/assistance for creating web

- pages.
9. Be able to list and describe 10 principles of color, line and design as they apply to screen presentations. Given 3 examples of Web pages they will analyze these screens using the criteria they have generated.

## **Topics and Scope:**

### Software Requirements

#### Internet Providers

Nermal

CRL

Netcom

Sonic

IGC

#### Browsers

Netscape

Mosaic

Air Mosaic

#### IP Interface

TCPIP

Trumpet Winsock

#### HTML Editor

#### Additional Support Software

JVIEW

MView

Sound Machine

WHAM

Quiktime

#### TIA, PPP, or SLIP connection

### BASIC MARKUP TAGS

#### Linking to Other Documents

Relative Links vs. Absolute Paths Names

Uniform Resource Locator

Links to Specific Sections Within the Current Document

Links to Specific Sections in Other Documents

#### Creating Lists

Numbered Lists

Definition Lists

Nested Lists

#### Character Formatting

Physical vs. Logical Styles

Using Character Tags

Special Characters

#### Preformatted Text

#### Document Conversions

Word to HTML

Pagemaker to HTML

WordPerfect to HTML

Postscript to HTML

#### Graphics

Inline Images

- Graphics Conversion
- Transparent GIFS
- Alternate Text for Browsers that Can't Display Images
- HTML Extras
  - External Images, Sound, and Animation
  - Screen Flashes Use and Misuse
  - Fill-out Forms
    - Preset Magic Button
    - Form Interface Guidelines
  - Clickable Images
  - Tracking Screen Usage
  - Trouble Shooting
  - Internet System Administraion
  - Summary and Promotion For Course We Hope To Offer
- ELEMENTS OF EFFECTIVE SCREEN DESIGN
  - Graphical Interface vs. Text Based
    - Principles of Designing With Fonts
    - Using Symbols and Graphics to Replace Text
  - Screen Design Principles
    - Color Theory
    - Effective Use of Line
    - Special Effects Use vs. Abuse

### Assignment:

1. Create web pages and modify web pages.
2. Research web sights for attractive design.
3. Research web sites for support information on HTML.
4. Read and answer questions from the on-line primer.

### 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 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.

None

Problem solving  
0 - 0%

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

## WRITING HTML SCRIPTS, CONVERTING EXISTING DOCUMENT

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

## PERFORMANCE EXAM(S)

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

None

Skill Demonstrations  
60 - 80%

Exams  
20 - 40%

Other Category  
0 - 0%

## Representative Textbooks and Materials:

HTML Primer - available on-line.