FD '02

Chaminade University OF HONOLULU

CIS 110:
Introduction to Web Page Design

Syllabus
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Course Description

This course will introduce students to the design and implementation of World Wide Web pages using the Hypertext Markup Language (HTML). Later in the course a WYSIWYG (what you see is what you get) Web development software will be introduced. The class will use lectures, demonstrations, lab activities, and homework assignments to cover topics including principles of Web page layout, construction of tables, image scanning, and hosting Web pages on a server. Emphasis during the semester will be on the individual construction of Web pages.

Course Objectives

The course is intended to help the students to:

- Become the basic terms related to the World Wide Web
- Learn various objectives of a Web site
- Become familiar with the basic principles of Web page layout
- Learn the HTML language to implement Web pages
- Learn how to scan images and incorporate them into Web pages
- Understand how to upload a Web site to a server
- Become acquainted with a WYSIWYG Web page design software
- Be introduced to Javascript
- Be able to embed applets in an HTML page
- Learn the basic elements of Cascaded Style Sheet (CSS)
- Be able to construct personal Web pages that are well designed, informative, functional, and responsible

Text Book

There will be no official text book for this course. We will rely on the resources available on the Web, along with a set of on-line notes prepared especially for this course.

Topics

The following topics will be covered in this courses.

- Tools for Creating HTML Pages
  - Text editors
  - FrontPage
- Web Page Design
  - Purpose of Web Sites

    - Page Layouts
    - Directory Hierarchy
- Uploading to Server
- Text Formatting
- Adding Lists
- Hyperlinks
- Using Tables
- Adding Forms
- Cascading Style Sheet
- Introduction to Javascript
- DHTML Examples

Requirements

Following are the class requirements. Refer to the section on Grading for further details.

- Project Assignments (5)
- Class Attendance
  Midterm Exam
- Final Exam

The project assignments must be uploaded on the Web server, at appropriate times, in order to be given full credit.

Projects

An important requirement in the course is to develop Web documents yourself. Two separate sets of Web documents will be required.

A. One Web site, written manually using HTML, with a type and subject of your choosing. The pages for this project will be modified and enhanced each week as you learn more techniques. These pages are to be submitted in four stages--corresponding to four projects assignments (Project 1, 2, 3, & 4)--by uploading them to the server.

B. One Web site, written with FrontPage, on the theme and design specified in the class. This corresponds to Projects 5.

These posting are due at midnight *of the due dates* indicated in the *Schedule* section of this Web site. On some occasions class time may be used to work on these exercises. However, you are expected to spend additional time outside the class to complete the Project Assignments (PAs).

Submitting One's Own Work

Each student is expected to write his or her own code. Although modern programming projects require extensive teamwork, one of the main goals in this class is that each student learn the basic Web development skills by practicing individually. You must distinguish between consulting your friends and discussing problems with them from copying other people's work. The penalty for copying in tests and project assignments

is, for the first offense, a grade of F for all parties involved; for the second offense, an F for the course.

Attendance

Regular class attendance is important since you are responsible for all materials covered in the class. Attendance will be taken at all class sessions. Generally speaking, there will be no make-up tests, except in cases of excused absences *for which prior arrangements will be necessary*. Be sure to inform the instructor when you foresee that you cannot be present for a scheduled test. A missed test receives a grade of 0.

Grading

The semester grade will be based on the following elements of your course responsibilities: (Points in various categories and total points are subject to change.)

Projects	300
Attendance	30
Midterm	70
Finals	100
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Total	500

The following guidelines will be used in determining the final grades.
A: >= 90; B: >= 80; C: >= 70; D: >= 60; F: < 60

Grading Criteria for Web Pages

Your Web page projects will be graded on the following points.

1. Do they satisfy all the requirements described in the problem statement?
    - Are required objects--e.g., lists, links, tables-- present?
    - Are the texts formatted as required?
    - Are all the links valid?
    - Do they contain the information expected of them?
2. Are the Web pages designed well?
    - Is the page design appropriate for the particular Web page?
    - Is the page layout pleasing and readable?
    - Is the color combination sensible?
    - Is it easy to navigate to other pages?

Getting Help

For "quick" questions the email is the simplest way to contact me. Feel free to drop in at my office during office hours or to set up an appointments outside those hours. (I am around my office usually in the afternoon.)

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Schedule

Syllabus | **Schedule** | Resources | Records | Office | Home

The *Web* units in the *Readings* section refer to on-line tutorial *Web Page Design & HTML* , which is provided by Pagetutor.com . You can find further resources at the site. Here is the tutorial's **Table of Contents .**

Wk	Date	Topics	Readings	Exercise	Due
1	8/27	• Introduction • Arachnophilia • Web Terminology • Webopedia	• Web 1 : Getting started		
	8/29				
2	9/5	• Layout Design • Formatting Text • Character Table	• Web 2: Background • Web 3 : Text format • Web 4 : Font Special Characters	• ExerFormat1	
	9/5			• ExerFormat2	
3	9/10	• Color • Color Chart • Lists • Uploading to Server	• Web 5 : Font Color • Web 6 : Headings • Web 19 : Lists • Web 20 : Definition List	• ExerFormat3	
	9/12			• ExerFTP	
4	9/17	• Linking Web Pages	• Web 12 : Links • Web 13 : Email Links • Web 14 : More on linking	• ExerLink	
	9/19				• Upoload
5	9/24	• Including Images	• Web 10 : Inserting image • Web 11 : ALT attribute • Web 15 : Image size Gif Optimizer • Web 17 : Image anchor	• ExerImage	
	9/26			• Exerimage2	• PA 1

6	10/1	• Tables • Table for Page Layout	• Table Intro, 1, 2, 3, 4, 5, 6, 7 : Table basics • Table 8, 9, 10, 11, 12 : Table for page layout • Color Chart 1 (216) • Color Chart 2 (1536) • Color Picker	• ExerTable	
	10/3			• ExerTable II	
7	10/8	• Intro to Forms			
	10/10	Sample PDF File • Midterm Test • Pictures for the test			• PA 2
8	10/15	• Forms (cont.)	• Form Intro, 1, 2, 3, 4, 5, 6, 7 : (Form Elements) • Form 8, 9, 10, 11, 12 : (More Form Elements)	• Basic Form	
	10/17			Extra Credit #1 • Form	
9	10/22	• Cascading Style Sheet	• CSS tutorial (One page) • CSS tutorial (More complete version w/examples)	• ExerCSS1	
	10/24			• ExerCSS2 • DemoCSS2 • DemoCSS3 (Script) • Properties	
10	10/29	• Intro to FrontPage			
	10/31			• ExerFP2	• PA 3
11	11/5	• Intro to FrontPage	• FPGraphics	Extra Credit #2 1. FP Web site	
	11/7				
12	11/12	Intro to Javascript	• JS 1 : Introduction	• ExerJS1 • ExerJS2	

	11/14	• Try JS 2: JS function • demoCalculateAge • demoIfElse • demoNewWindow	• JS 2 : JS function • JS 3 : Password • JS Demo	• ExerNewWindow ExerJS5	
13	11/19	• Intro to FrontPage (continued • JSDHTML		• ExerJS6 • ExerJSDateFormat	• PA 4 • *Extra Credit #2 (11/21/01)*
	11/21				
14	11/26	• FrontPage	• DHTML Demo • Hover Button	• ExerDHTML • xerHoverButton	
	11/28	Thanksgiving Recess (No Classes)			
15	12/3	• DHTML Examples	• Java Applet Demo • More Applets	• ExerApplet	
	12/5				• PA 5 • Extra C redit #2
16	12/11	• Finals: 12:45 -2:45			