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CIS 110
Syllabus

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 site development software will be introduced. The class will use lectures, demonstrations, lab activities, and homework assignments to cover topics including the principles of Web page layout, construction of tables, image scanning, and hosting Web pages on a server. You will be expected to spend a substantial amount of time outside the classroom hours for completing project assignments.

Course Objectives

The course is intended to help the students to:

- Become acquainted with basic terms related to the World Wide Web
- Learn various purposes 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

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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.

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.

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Projects

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

> A. **A Web site, written manually using HTML, with a theme and design 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 the first four projects assignments--by uploading them to the server.**

> B. **A Web site, written with the FrontPage package, on the theme and design of your choosing, which corresponds to Projects 5. This Web site must be completely distinct from the first Web site.**

These posting are due at the *end of the due dates,* **which are indicated in the** *Schedule* **section of this Web site. On some occasions class ti me 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).**

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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.

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Grading

The semester grade will be based on the following elements of your course responsibilities:

Projects	300
Attendance	30
Midterm	70
Finals	100
Total	500

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

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Grading Criteria for Web Pages

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

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?

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Office Hours

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.

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Class Schedule

The *Web units in* the *Readings* section refers 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	8/29	Introduction	Web 1 : Getting started		
	8/31	Web Terminology Arachnophilia			
	9/5	Layout Design	Web 2: Background	ExerFormat1	
		Formatting Text	Web 3 : Text format		
	9/7	Character Table	Web 4 : Font Special Characters	ExerFormat2	
3.	9/12	List	Web 5 Font Color	ExerFormat3	
		Uploading to Server	Web 6 : Headings		
	9/14		Web 19 : Lists Web 20 Definition List	ExerFTP	
4	9/19	Linking Web Pages	Web 12 : Links Web 13: Email links	ExerLink	
	9/21		Web 14: More on linking		upoload
5	9/26	Including Images	Web 10 Inserting image Web 11 : ALT attribute	Exer4	
	9/28		Web 15: Image size Gif Optimiser Web 17: Image anchor		PA 1
6	10/3	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		
	10/5		Color Chart 1 216		

	Date	Topic	Reading/Tutorial	Exercise	PA
			. Color Chart 2 1536 Color Picker		
		Announcement Midterm Test			
	10/12				PA 2
8	10/17		Form Intro, 1, 2, 3, 4, 5, 6, 7 Form elements Form 8, 9, 10, 11, 12 : More form elements		
	10/19				
	10/23	Cascading Style Sheet	CSS tutorial (One page)	Exer4	
	10/25		CSS tutorial (More complete version w/examples)	Exer5 DemoCSS2 DemoCSS3 (Script) Properties	
10	10/30	Intro to FrontPage			
	11/1			e xerFP2	PA 3
11	11/6		FPGraphics	exerFP3	
	11/8				
12	11/13	Intro to Javascript Try JS 2: JS function demoCalculateAge	JS 1 Introduction JS 2 : JS function	exerJS1 exerJS2	
	11/15	demoIfElse demoIfElseIf		exerJS3 exerJS4 exerJS5	
13	11/20	Intro to Javascript	JS 3 : Password JS Demo	exerJS6	PA 4
	11/22	Thanksgiving Holiday			
14	11/27	Intro to FrontPage (continued)	DHTML Demo	exerDHTML	
	11/29	JSDHTML	Hover Button	exerHoverButton	
	12/54	DHTML Examples	Java Applet Demo More Applets	exerApplet	
					PA 5
		Finals: 12:45 - 2:45 Images for Finals Review			