

CS 102 Introduction to Internet: Web Page Design

Instructor: David Rosi

Office: AAR 116

Phone: 442-2717

E-mail: drosi@lcc.ctc.edu

Website: <http://lcc.ctc.edu/faculty/drosi/>

The mission of Lower Columbia College is to ensure each learner's personal and professional success, and influence lives in ways that are local, global, traditional, and innovative.

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Course Purpose/Objectives:

The goal of this course is to introduce you to the Internet Web page Design, design principles, and creation of Web site from start to finish.

Offers concepts, fundamentals, and techniques of web page design, including an introduction to Internet networking principles. Topics include web page usability, design principles and development, site planning, and implementation. (X)HTML scripting language and basic Cascading Style Sheets are used to create structural and presentational web pages. Students will use concepts presented in the course for development of personal and commercial web pages.

Information is presented through lecture, discussion, and demonstration, and through hands-on use of the computer. Microsoft OS and Internet accessible PCs will be used in laboratory hands-on sessions. Additional projects, and time to complete lab assignments, will necessitate working on your own time, beyond lab time allotted. Practice on your own time is also essential, as proficiency in Web Page Design may be gained only through hands-on employment.

Prerequisite:

This course covers a full quarter and has prerequisite of CS 108/110 or equivalent skills with instructor permission.

Text/Materials:

Text: 1) HTML for the World Wide Web by Elizabeth Castro, ISBN: 0321430840
2) Designing With Web Standards Second Edition, By Jeffrey Zeldman. Published by New Riders. Series: VOICES. ISBN: 9780321616951

Software: If you plan to work from home you will need a PC with the following applications: Web Browser, FTP capability, HTML code editor, graphics editor (I have freeware for your use if needed)

Handouts: Most readings will be handouts or web content

Course Objectives:

Students will be able to:

- Describe the Internet and the World Wide Web.
- Copy and send files using File Transport Protocol (FTP).
- Describe web page usability and design principles.
- Demonstrate understanding of methods of usability, accessibility, and design in web page development.
- Describe the functions of a web page editor.
- Design and implement (X)HTML and CSS web pages that utilizes good design principles.
- Describe the difference between the structural and presentational components of a web page.
- Design and implement web pages using multimedia.
- Describe how multimedia can enhance and/or detract from the presentation of web pages.

- Review current literature and write a critical review of at least one article pertaining to the web page design.

Teaching Methods:

1. Internet: All material will be distributed on the Internet. Class notes, instructional material, and student assignments will be posted on 'the net' in a class website. Students are encouraged to go to the book website [Castro](#) and [class](#) web page in order to obtain file downloads and view other items of interest throughout the semester.
2. Combination of lecture, activity, Lab, Email, Webpage will be used to teach this course.
3. Each class you can expect a quiz over the reading material assigned for that day.
4. Tests will occur approximately every week; a schedule will be forwarded when finalized.
5. Assignments include Internet related applications, Internet, projects, and critical reviews. In order to foster good work skills some projects may be group. Grading criteria for group will be provided at assignment time. Individual assignments are just that, individual. All clarification of expectations should be directed at instructor and all work completed should be yours. Be careful to using proper citation on all work turned in so as to avoid plagiarism. I do check all work for plagiarism.

Student Success:

Attending all class times is a critical part of being successful in any college class. Attendance will be taken; as this is part of your participation grade points. Complete all work assigned and be sure you fully understand what you are reading from text, topics covered in presentations, and hands on lab work done. This course is designed for each student to succeed, but the quality and level of learning is directly related to the effort put forth.

If you find you are having trouble with the requirements of this course, please see me immediately so we can discuss how to help you succeed to your fullest potential. At times it may take longer than intended to complete some components of this course for some students. If you need tutoring or more one on one help then I can provide in the time allowed, the tutoring center may be a resource available to you. Information can be found at the following web site: http://lcc.ctc.edu/programs/study_tables/. Or go to the tutoring center for information. There may not be tutoring available in the Learning Commons depending on the quarter. **Be very careful about using websites as coding references, we follow a very strict coding method and syntax, and many sites typically lead students a stray.**

Grading:

Letter grades will be determined using a standard percentage point evaluation as outlined below. Grades may be curved after the total semester points have been tabulated. However, do not count on a curve to obtain your desired grade.

A	94-100%	C+	77-79%
A-	90-93%	C	74-76%
B+	87-89%	C-	70-73%
B	84-86%	D+	67-69%
B-	80-83%	D	64-66%
		D	60-63%

Total points will be computed as follows. The total points for quizzes and assignments may vary.

Theory Quizzes	15%
Production Projects	35%
Assignments	50%

Course Policies:

Missed Classes: The student is responsible for obtaining material distributed on class days when he/she was absent. This can be done through contacting a classmate who was present or by contacting the instructor during office hours or other times. Missed or late quizzes can not be made up under any circumstances but with good cause and adequate notice, an early quiz may be given.

Assignments: All assignments are due at the beginning of class on the date due. Late submission of assignments will be assessed a penalty of 25% per day. No exceptions are made. Absence from class is not an excuse for not turning in work on time. Assignments are graded by instructor for how well student has met criteria and quality of work.

Academic Dishonesty: Plagiarism and cheating are serious offenses and may be punished by failure on exam, paper or project; failure in course; and College disciplinary action per policy. For more information refer to the "Academic Dishonesty" policy in the College Catalog.

Need for Assistance: If you have any condition, such as a physical or learning disability, which will make it difficult for you to carry out the work as I have outlined it, or which will require academic accommodations, please notify me immediately.

Course Outline

Week	Topic	Text / Handout Reading	Assignment <u>Due Date</u>
1	Introduction/FTP		
	Introduction to Web Page Design	Castro Ch 1/2	
2	Page tags/Text tags	Castro Ch 3	
		<i>Xhtml Assign</i>	
3	Graphics/links	Castro Ch 4	
	Formatting	Castro Ch 5 <i>Xhtml Assign 2</i>	Xhtml Assign 1
	Tables/backgrounds	Castro Ch 6 Usability Handouts / Usability Handouts	Reading Quiz
4	Design Principles / W3 / Design Interface	Zeldman 1 <i>Xhtml Assign 3</i>	Xhtml Assign 2
	Design Principles / Accessibility	Zeldman 2	
		Castro Ch 7 Zeldman Ch 3-4	Xhtml Assign 3 Concept Paper 1
5	Page Structure / (X) HTML Structure	Zeldman Ch 5 <i>Usability project</i>	Reading Quiz
	Formatting tags	Zeldman Ch 6 <i>Xhtml Assign 4</i>	
	Image tags / Links	Castro Ch 8-9 Zeldman Ch 7	Design Quiz 1
6	Styles	Zeldman Ch 8 <i>Accessibility project</i>	Usability Project Reading Quiz Xhtml Assign 4 Design Quiz 2
	Quiz CH 1-9/Reading	Zeldman Ch 9	
	Tables	Castro Ch 10	
7	Lists	Zeldman Ch 11 <i>Bouchaine page</i>	Accessibility
	Layout	Zeldman Ch 12	Reading Quiz Web page Bouchaine
8	Forms	Castro Ch 13-14 Zeldman Ch 13	Web page TBA
	Multimedia	<i>Unplug assign</i> Zeldman Ch 14	
9	Quiz CH 10-18/Reading	Castro Ch 16-18 <i>Final Project</i>	

10			Reading Quiz Concept Paper 2
11	Last Day of Instruction		

Final Project Due 3/20/11 10:10-12:10

1. Academic Integrity and Student Original Work (See Catalog for policies, especially *Policy on Acceptable Use of Computing Resources*, and *Policy on the Use of Material in Web Pages*.)

Each student is responsible for maintaining academic integrity and intellectual honesty in his or her academic work. It is the policy of the school that each student be academically honest, which means that each student must:

- a. Submit his or her own work, not that of another person
- b. Not falsify data
- c. Not engage in cheating (giving or receiving help during examinations, acquiring and/or transmitting test questions prior to an in-class examination, or falsifying any records, including admissions material)
- d. Not receive nor give aid on assigned work that requires independent effort
- e. Properly credit the words or ideas of others according to accepted standards for professional publications (See, for example, *The Publication Manual of the American Psychological Association*.)
- f. Not use term paper writing services or consult such services for the purpose of obtaining assistance in the preparation of materials to be submitted in courses
- g. Not engage in plagiarism. *Webster's* defines plagiarism as "stealing or passing off ideas or words of another as one's own" and "the use of a created production without crediting the source." Extreme caution must be exercised by students involved in collaborative work to avoid questions of plagiarism.