

IT 145 Section 300 Fall 2013

Web Design Fundamentals: HTML and Style Sheets. Syllabus and Course Outline

Instructor: Dr. Thomas Beach

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Office hours: T 2:00-3:00 TTh 4:30-5:30 in 623F (or look for me in 639)

Class meetings: Monday 2:00 - 4:45 Room 639

Required: A USB Flash Drive to store your files.

Textbook: (required) *Visual Quickstart Guide: HTML5 and CSS3 (7th edition)* by Elizabeth Castro and Bruce Hyslop. (Available from UNM-LA's online MBS bookstore.)

Course Web site: <http://www.unm.edu/~tbeach/IT145>

Never hesitate to ask questions in class!

Catalog Description

"Hands-on course in designing and developing World Wide Web pages using HTML (HyperText Markup Language) and CSS (Cascading Style Sheets). The course will cover HTML tags for text, images, links, lists, simple layouts, complex layouts, tables, frames, style, internal style sheets, and external style sheets. Basic issues in using graphics on the Web will also be covered. *Prerequisite:* CT 102"

Note: The CT 102 prerequisite is there to ensure that you are familiar with using the UNM-LA PC computers. This prerequisite can be waived if you have equivalent experience (see instructor).

Course Description

In this course you will learn to create and maintain Web pages using HTML and CSS. This course is taught in our PC computer lab, but you can do the coursework on other computer platforms. It is assumed that the student is proficient with the operating system on their computers, including file management and connecting to the Internet. It is also assumed that you are proficient with using of Web browsers.

In this course you will learn to edit HTML and CSS files directly using html or text editors. You should NOT be using a Web authoring program in a WYSIWYG (What You See Is What You Get) environment, such as Adobe Dreamweaver. You may, however, use the Code View of Dreamweaver or other such programs.

Learning to create Web pages can be frustrating at times because simple, easily-missed typos can cause page errors. But with careful typing, use of page validation, and practice, it is not too difficult to become proficient. The more you practice with HTML and CSS coding, the better you will become, so students are encouraged to experiment.

Course Goals: By the end of this course, the student should be able to build valid web pages in HTML/XHTML and have a working knowledge of Cascading Style Sheets (CSS).

Course Objectives

- Learn how to design and develop a Web page using HTML and CSS.
- Learn how to link pages so that they create a Web site.
- Design and develop a Web site using text, images, links, lists, and tables for navigation and layout.
- Style your page using CSS, internal style sheets, and external style sheets.
- Learn how to use graphics in Web design.

Learning Outcomes

At the conclusion of the course, students should be able to:

- Create local HTML pages and move them to a remote web server.
- Design and develop basic web pages using HTML and CSS.
- Use graphics in Web pages.
- Use tables in Web pages.
- Link pages so that they create a Web site.
- Design and develop web pages using CSS styles, internal and/or external style sheets.
- Design and develop web pages using CSS for layout.

Topics

- HTML skeleton
- HTML tags for text, links, lists
- HTML tags and web standards for images (graphics)
- Simple layouts
- Complex layouts
- HTML tags for layout
- HTML tags for tables
- HTML tags for styles
- Internal CSS style sheets
- External CSS style sheets

Course Grading

Grades will be based on exercise assignments (worked on both inside and outside of class time), midterm project, final project, class attendance, and possible individual extra exercise work. Assignments that are turned in late will only receive partial credit.

Grade breakdown:

Exercise assignments	35%
Project #1 (midterm)	30%
Project #2 (final)	35%

Students may do additional individual Web site projects, if desired, to improve their grades (to make up for missed classes, for example). See you instructor individually for this. You should begin thinking about ideas for your Web site projects early to avoid getting rushed at the deadlines. ***Missing class sessions or failing to do the exercises will result in a lower grade (see below).***

Attendance Policy

Class attendance is mandatory, and missing more than 2 class sessions without excused absences will lower your grade (1 letter grade per 2 unexcused class sessions absent beyond the first two sessions missed). So be sure you inform your instructor if you missed class because of an excused absence (severe illness, death in the family, etc.). I generally take attendance at the beginning of class, and it's up to **you** to make sure that your presence is recorded if you come in late (see your instructor about this *on that same day*).

Class Schedule (may change due to weather closures, etc.):

Date	Topic	Reading assignment (read before class)
August 19:	Syllabus. Computer accounts. Introduction to WWW and HTML.	Introduction
26:	Web page building blocks. Working with Web files.	Ch. 1 and 2
September 2:	<i>Labor Day Holiday — NO CLASS</i>	
9:	Basic HTML structure. Basic HTML formatting.	Ch. 3 and 4
16:	Web graphics	Ch. 5
23:	Links and site structure	Ch. 6
30:	Style Sheet basics. Working with CSS files.	Ch. 7 and 8
October 7:	Style Selectors. Formatting with Styles.	Ch. 9 and 10
14:	<i>Columbus Day Holiday — NO CLASS</i>	
21:	CSS Layout	Ch. 11
28:	Present Midterm projects.	
November 4:	Enhancements with CSS. Lists.	Ch. 14 and 15
11:	<i>Veterans Day Holiday — NO CLASS</i>	
18:	Tables.	Ch. 18
25:	Forms.	Ch. 16
December 2:	Intro to Javascript.	Ch. 19
9:	Finals week — Projects will be presented in class. Projects are due at the start of class.	

- Midterm Project: Oct 28. Web site using text, links, graphics, CSS formatting, external CSS files used by multiple pages, and placing the site on server. Pages should validate. CSS page layout is optional. *Incorporate as many of the techniques we covered up to that point in the course.* The purpose of this project is to demonstrate all of the techniques that you have mastered (all the types of formatting, content, links, etc.). A more complex project is worth more credit. Originality is important (don't just modify previous exercises). You must include a page in the site that specifies where you have incorporated all of the techniques on your pages.
- Final Project: Dec. 9. Web site using CSS page layout, Dynamic CSS effects, lists, forms, tables, and some Javascript. Pages should validate and must work properly on the server.
- You must include a page in the site that specifies where you have incorporated all of the required techniques on your pages.
- This project may be a continuation of the site created in your first project. A more complex project with well-designed pages is worth more credit. **Note!** *It is important that you begin work on your final project early so that you are not too rushed at the end of the semester.*

Drop Policy

If students decide to drop the class, it is their responsibility to do so; they should be aware of University-wide posted deadlines for tuition refunds and mandatory assignment of grades. Students should not assume that the instructor will drop them before a deadline if they simply stop attending a live class.

Dropping a course may affect students' financial aid status and/or tuition refund. A drop will result in a W. Students who do not officially drop the class will receive the grade earned based on the syllabus grading criteria, which may be an F.

UNM-LA Computer Account Policy


All students are required to have a UNM campus account (NetID). Students will use this account to register for classes through MyUNM, <http://my.unm.edu>. This account is also used to read and send email (the UNM e-mail address looks like NetID@unm.edu), print transcripts, check financial status, and check degree progress.

Students are required to check their UNM email periodically, as this is the main communication method used by the university. Students may visit <http://it.unm.edu/howtos/504.html> for simple instructions on how to forward their UNM email to a different email address.

Students can access MyUNM by clicking on the "My UNM" link on either the UNM-Los Alamos web page (<http://www.la.unm.edu>) or the main campus web page (<http://www.unm.edu>), or by typing in the web address <http://my.unm.edu>. Students must then login using their NetID and password.

From the UNM-LA campus, students can access MyUNM from public computers, from computers in computer labs, and from computers in the library. If students wish to use their own computers, they can connect to one of the UNM-LA Wireless networks. Instructions for accessing these are given here: <http://www.la.unm.edu/Wireless/>.

Students should be aware of the computer use policies as they affect any aspect of their education at UNM-LA. See Computer Use Policy links on this page: http://www.la.unm.edu/administration/ITS/computer_services.html.

 **ADA Statement:** In accordance with University Policy 2310 and the American Disabilities Act (ADA), academic accommodations may be made for any student who notifies the instructor of the need for an accommodation. It is imperative that you take the initiative to bring such needs to the instructor's attention, as the instructor is not legally permitted to inquire. Students who may require assistance in emergency evacuations should contact the instructor as to the most appropriate procedures to follow. Contact Accessibility Services at 505-661-4692 for additional information.

Cell Phones and Personal Communication Devices.

Cell phone use during class is prohibited; turn off phones when coming to class. Similarly, you may not use portable computing devices for personal communications during class (e-mail, messaging, playing on the Web, etc.). See the UNM-LA student handbook for other University policies. Excessive violation of these policies may result in your removal from the course.

Unexpected Class Cancellation Policy:

Due to difficulties in informing students in advance of a teacher's illness or emergency, students who arrive for class and find the teacher isn't there should wait 15 minutes (just in case he or she is simply late). After 15 minutes, students should go to building 1 to the front desk to seek information (in Los Alamos) or to their corresponding on-site contact for other locations. If there is no information, students should assume that class has been canceled for the day and are free to leave. When possible, teachers will call or email students to let them know of a canceled class meeting.

Academic Honesty Policy

Each student is expected to maintain the highest standards of honesty and integrity in academic and professional matters. The University reserves the right to take disciplinary action, including dismissal, against any student who is found responsible for academic dishonesty. Any student who has been judged to have engaged in academic dishonesty in course work may receive a reduced or failing grade for the work in question and/or for the course.

Academic dishonesty includes, but is not limited to, dishonesty on quizzes, tests or assignments; claiming credit for work not done or done by others; and hindering the academic work of other students.

Assessment

UNM-Los Alamos conducts ongoing assessments of student learning so it can continue to improve its curriculum to give you the best education possible. The mechanism for this assessment will be selected by your instructor and may include exams, projects or other assignments. The assessment will focus on the learning outcomes listed in this syllabus. The data from this assessment will be collected anonymously. It will be reported to the department, the Office of Instruction and posted on the web. The information collected will be used to make improvements to curriculum and teaching. This assessment is not a reflection of your grade and is not a grading exercise; it is simply an evaluation of how well students are mastering certain skills.

Course Evaluations

Students will be requested to participate in a course evaluation near the end of the course. UNM-LA requests that all students participate, because the information they provide is helpful in improving courses for future students.

Response Time Policy

Students should allow the instructor 48 hours to respond to email messages or phone calls. Email is better for reaching me than calling my office phone (since I am not in the office from Friday to Sunday). When students receive a communication from the instructor, they should attempt to reply within 48 hours.

A copy of this syllabus can be found online at:

<http://www.unm.edu/~tbeach/IT145/syllabus.pdf>

Student Information Form

Fill out the following information:

Name: _____

E-mail address: _____

Phone number (one that really works): _____

Are you officially enrolled in the class? Yes No

Do you need this course to graduate this year? Yes No

Why are you taking this class?