

O ECS 260: Advanced HTML

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Office	None, but I am available by email		
Hours	24/7 and often by Skype		

NMSU-A Mission Statement:

The mission of the New Mexico State University at Alamogordo is to provide quality learning opportunities for individuals in the diverse community we serve.

Required Course Resources:

You will need the following resources for this class:

Textbook (Required):

CSS, DHTML & AJAX, 4th edition, by Jason Cranford Teague. ISBN: 0-321-44325-X

Software:

-Notepad, Text Wrangler or other free text-editing software (NOTE: Notepad comes with most Windows machines, check your Programs list. TextWrangler is a free download)

<http://www.barebones.com/products/textwrangler/>

<http://notepad-plus.sourceforge.net/uk/site.htm>

-Internet Explorer (IE) **AND** Firefox (You will need 2 browsers for this course—creators of HTML documents should always view their files on 2 browsers)

<http://www.microsoft.com/windows/products/winfamily/ie/default.msp>

<http://www.mozilla.com/en-US/firefox/>

Course Description:

Introduction to the HTML (including (X)HTML, DHTML, CSS) used for web-page development for Internet and Intranet. Text manipulation, graphics, hyper-text links, lists, and tables. Prerequisite: Introduction to HTML.

Course Goals/Objectives:

- ✓ Hand-code a standards-compliant website using advanced (X)HTML and CSS.
- ✓ Use advanced (X)HTML and DHTML coding for formatting and design.
- ✓ Use CSS for design and layout in static and dynamic environments.
- ✓ Test a web page on multiple browsers.
- ✓ Use File Transfer Protocol (FTP) to upload a webpage to the Web.
- ✓ Work collaboratively to test, evaluate and troubleshoot other students web documents.

Course Delivery:

This class is asynchronous and 100% online with weekly deadlines. You are welcome to work ahead, though it is expected that you are still available to help other students at various levels and participate in course learning.

Time Requirements:

This online course is designed to emulate a face-to-face course that meets once a week for 1 ¼ each session.

NOTE: It is expected that you log in to our course website 3-4 times a week, minimum. I recommend logging in everyday to keep up and contribute to the activity.

Course Content:

Full assignment details for all assignments will be available to download in WebCT.

HTML & CSS Refresher

20 points

To get ready for learning advanced HTML techniques, you should review the basic (X)HTML and CSS techniques. You will do this at the HTML Dog online tutorials:

<http://htmldog.com/guides/>. You will do the HTML Beginner and CSS Beginner tutorials and submit the files (one .html file and one .css file) to the assignment dropbox.

W3 Schools Tutorials

120 points, 10 points each

You will be introduced to new concepts by reading and practicing on the W3 Schools XHTML, CSS and DHTML tutorials. For each new concept, you will have an exercise that is taken directly from the tutorials. Use this exercise to practice the technique before applying it to your own website.

Website Building

220 points, 20 points each

With the help of your textbook and the W3 Schools tutorials, you will be building your own website, step-by-step. By the end of the course, you will have a hand-coded website built on XHTML, CSS, and DHTML that you will post to your free NMSU student webspace. Based on the assignments that I give you, you will add new elements to your website each week. Your textbook will be a reference for this.

Website Upload (FTP)

100 points

At the end of the course, you will take the website that you have created and upload it to the World Wide Web. Every NMSU student receives free webspace that can be accessed at: <http://web.nmsu.edu/>, using your my.nmsu.edu username and password. By the time you upload your site, you should have corrected any errors and fine-tuned your coding and design. You will be graded on your final website and the upload.

Groupwork

50 points

You will be assigned small groups for the entire course, of which I will be one member. In these groups, you will help each other with coding, questions and troubleshooting. Your participation in these groups is required and you will grade your own performance at the

end of the semester. You should not only post questions, but you should also give advice. I will be a member of each group, though I will not participate unless a question is posed directly to me.

Grading

For each assignment, you will be given a rubric explaining what elements your work needs to contain. You will be graded based on meeting the assignment requirements. If you want an **A** in this class, you may get it simply by turning in complete work on/before due dates, and actively participating in the course. Similarly, if you want an **F** in this course, feel free to turn in late, incomplete work.

A=90-100%

B=80-89%

C=70-79%

D=60-69%

Late Work

For all late work that is not previously cleared with me, there will be a 20% point penalty on your grade. Because this class builds on every assignment, it is expected that you MEET DEADLINES so that 1.) Don't get too far behind, 2.) Lose points that will hurt your grade, and 3.) Stay up with the class so that you may support your group members.

Academic Honesty:

Academic honesty is required. YOUR WORK MUST BE YOUR OWN! You may work together, but you must complete your own assignments. While you can model other HTML documents, you must create your files. Those who do not comply with these regulations may receive an automatic **F**.

Accessibility:

If you have a technical situation that does not allow you to complete work for this course, you must notify me by email or phone immediately so that we may make arrangements.

If you have a disability and would benefit from classroom/technical accommodation(s), please contact the Office of Special Student Services located in the George Fetting Student Services Building (phone: 439-3720).

Course Outline

TUTORIALS are due on Wednesdays, midnight. WEBSITES are due on Fridays, midnight. LATE WORK LOSES 20%. If you need an extension through the weekend, you must contact me in advance.

DATES	TOPIC	ASSIGNMENTS
Week ½: 8/21-8/24	Orientation	<ul style="list-style-type: none"> ✓ Print and read syllabus. ✓ Explore the WebCT course layout. ✓ Read the Introduction in your textbook. ✓ Find a text-editor to use for this class.
Week 1: 8/25-8/29	HTML & CSS Refresher	<ul style="list-style-type: none"> ✓ Do the HTML Dog tutorials
Week 2: 9/2-9/5	X(HTML) Intro	<ul style="list-style-type: none"> ✓ Read the W3Schools Tutorial ✓ Do the X(HTML) exercises and upload to assignment dropbox. ✓ Begin your Website by following the directions for Website Building
Week 3: 9/8-9/12	CSS Basics	<ul style="list-style-type: none"> ✓ Do Tutorial Exercise: CSS Basics ✓ Read Ch. 1-2 in textbook ✓ Website Building Assignment ✓ Post questions/support/comment to group
Week 4: 9/15-9/19	CSS Formatting	<ul style="list-style-type: none"> ✓ Do Tutorial Exercise: CSS Text/Background formatting ✓ Read Ch. 3-5 in textbook ✓ Website Building Assignment ✓ Post questions/support/comment to group
Week 5: 9/22-9/26	CSS Layout	<ul style="list-style-type: none"> ✓ Do Tutorial Exercise: CSS Boxes ✓ Read Ch. 6 in textbook ✓ Website Building Assignment ✓ Post questions/support/comment to group
Week 6: 9/29-10/3	CSS Formatting	<ul style="list-style-type: none"> ✓ Do Tutorial Exercise: Positioning ✓ Read Ch. 7-8 in textbook ✓ Website Building Assignment ✓ Post questions/support/comment to group
Week 7: 10/6-10/10	CSS & Tables	<ul style="list-style-type: none"> ✓ Do Tutorial Exercise: Tables ✓ Read Ch. 9 in textbook ✓ Website Building Assignment ✓ Post questions/support/comment to group
Week 8: 10/13-10/17	CSS & Lists	<ul style="list-style-type: none"> ✓ Do Tutorial Exercise: Lists ✓ Read Ch. 10 in textbook ✓ Website Building Assignment ✓ Post questions/support/comment to group

Week 9: 10/10-10/24	DHTML Basics	<ul style="list-style-type: none"> ✓ Do Tutorial Exercise: HTML DOM ✓ Read Ch. 11-12 in textbook ✓ Website Building Assignment ✓ Post questions/support/comment to group
Week 10: 10/27-10/31	DHTML Environments, Objects and Events	<ul style="list-style-type: none"> ✓ Do Tutorial Exercise: Events ✓ Read Ch. 13-15 in textbook ✓ Website Building Assignment ✓ Post questions/support/comment to group
Week 11: 11/3-11/7	Basic Dynamic Techniques	<ul style="list-style-type: none"> ✓ Do Tutorial Exercise: Moving Objects ✓ Read Ch. 16 in textbook ✓ Website Building Assignment ✓ Post questions/support/comment to group
Week 12: 11/10-11/14	Advanced Dynamic Techniques	<ul style="list-style-type: none"> ✓ Do Tutorial Exercise: Animating ✓ Read Ch. 17 in textbook ✓ Website Building Assignment ✓ Post questions/support/comment to group
Week 13: 11/17-11/21	Dynamic CSS	<ul style="list-style-type: none"> ✓ Do Tutorial Exercise: DHTML CSS ✓ Read Ch. 18 in textbook ✓ Website Building Assignment ✓ Post questions/support/comment to group
Week 14: 11/24-11/28	THANKSGIVING BREAK	<ul style="list-style-type: none"> ✓ Relax!
Week 15: 12/1-12/5	Uploading with FTP	<ul style="list-style-type: none"> ✓ Edit your website to make it web-ready by correcting mistakes, checking links, etc. ✓ Upload final website to your webspace and provide the class with a link to your website on the STUDENT WEBSITES module in WebCT. ✓ Turn in a short report stating what you contributed to your group.
Week 16: 12/8-12/12	Finals Week	<ul style="list-style-type: none"> ✓ There are no tests in this course—your job is done! Have a great winter break.

Note from Jenna:

I reserve the right to make changes to this syllabus or the course outline as necessary. You will be notified of all changes in email.