

Student Course Handout: CMSC 10100-1, Summer 2003

Instructor: Xuehai Zhang

Email: hai@cs.uchicago.edu

Phone: (773) 834-4416

Office: Ryerson 177, Cubicle #3

Office hours: Fridays 12:30-1:30PM, Ry177 or by appointment

Time and Location

Your lecture meets MWF 10:30AM-12: 30PM in Ryerson 251.

Course Overview

This course teaches the basics of building and maintaining a site on the World Wide Web. We discuss Internet terminology and how the Internet and its associated technologies work. Among the topics of the course are:

- Hypertext markup language (mainly HTML 4.0.1)
- Cascading Style Sheets (mainly CSS1, but some of CSS2 also)
- Client-side scripting via JavaScript and Document Object Model (DOM)

Course Schedule (*subject to change*)

Week/Class	Date	Topic	Topics Breakdown
W1/1	Monday [2003/06/23]	HTML basics	Introduction to the Internet, WWW, and HTML
W1/2	Wednesday [2003/06/25]		Basic tags, text formatting, Linux introduction
W1/3	Friday [2003/06/27]		Colors, lists, hyperlinks
W2/1	Monday [2003/06/30]	More about HTML	Quiz1 , images, image maps, tables
W2/2	Wednesday [2003/07/02]		Frames, forms
W2/3	Friday [2003/07/04]		No class
W3/1	Monday [2003/07/07]	Cascading Style Sheets	DHTML concepts, CSS1
W3/2	Wednesday [2003/07/09]		Quiz2 , CSS1 examples, CSS2
W3/3	Friday [2003/07/11]		Midterm
W4/1	Monday [2003/07/14]	JavaScript, Document Object Model	JavaScript Basics, DOM
W4/2	Wednesday [2003/07/16]		More DOM, JavaScript programming
W4/3	Friday [2003/07/18]		Web browser events, working with forms
W5/1	Monday [2003/07/21]	More about JavaScript	Quiz3 , working with images, time, and cookies
W5/2	Wednesday [2003/07/23]		Applied web programming techniques
W5/3	Friday [2003/07/25]		Final Project Presentation

Course Homepage and Mailing List

- Homepage: <http://www.classes.cs.uchicago.edu/classes/archive/2003/summer/10100-1/>. This homepage will be updated throughout the quarter, so check back often!
- Mailing list: <http://mailman.cs.uchicago.edu/mailman/listinfo/cmssc10100>. You are highly recommended to subscribe to the course's mailing list.

Texts

1. *The Web Wizard's Guide to HTML*, by Wendy Lehnert. Addison-Wesley. Referred as **HTML** in your lecture. We will cover much of the material in Chapters 1-7.
2. *The Web Wizard's Guide to DHTML and CSS* by Steven Estrella. Addison-Wesley. Referred as **DHTML/CSS** in your lecture. We will cover much of the material in Chapters 1-3 and 5-7.
3. *The Web Wizard's Guide to Javascript* by Steven Estrella. Addison-Wesley. Referred as **JS** in your lecture. We will cover much of the material in Chapters 1-7.

Homework, Quizzes, Midterm and Final Project

- Homework will be assigned weekly on Wednesdays and due by Tuesday midnight the following week.
- Brief quizzes will be given each week except the last week to test over the previous week's material (and your attendance!). Each quiz runs about 15 minutes.
- A midterm exam is scheduled in class in the third week.
- There is no in-class final exam. You are required to implement and present a final project instead. In the project, you need to put together all of the pieces you created for homework into a fully functional site. The final project presentation is scheduled to the last class.

Grading Structure

Your final grade will be based on:

Homework	30%
Quiz	10%
Midterm Exam	30%
Final Project	30%

Approach

To acquire the kinds of understanding expected in this course, you will need to spend time reading and programming. The only way to learn programming is to program.

Getting Started List

You will need to do several things to get started for this class:

- Check out the course's homepage at <http://www.classes.cs.uchicago.edu/classes/archive/2003/summer/10100-1/>.
- Get a CS department account if you don't already have one. You can find instructions on the department Web page at https://www.cs.uchicago.edu/info/services/account_request/. You will turn in all of your assignments in this account!
- Register with our class database. This gives us your name, ID number, and CS user name so that we can keep track of where to find your homework, how to send you email, and how to log your grades. If you don't register, your homework will not appear in the list for the TA to grade! The link of the register page is <http://people.cs.uchicago.edu/~hai/courses/cmssc10100/cgi-bin/register.cgi>.
- Sign up for the class mailing list by pointing your browser to the mailing list page at <http://mailman.cs.uchicago.edu/mailman/listinfo/cmssc10100>. This will let us send information to you and can be used as a forum for discussing class material with your fellow students. The teaching staff will be on this, too, to help answer questions.
- Get your textbooks at UC's bookstore or other local stores.
- Check out the department's Linux Lab and MacLab (<http://maclab.cs.uchicago.edu>) located in the A Level of Regenstein Library if you prefer to work directly on the server.
- Get set up to work remotely if you so desire (**we will talk about it in 2nd class**). You will need:
 - A text editor (e.g. Notepad for Windows, Emacs for Linux)
 - An internet connection
 - Several recent browsers (e.g. IE 5+, Netscape 6+)
 - An SSH client for remote login
 - An SCP client for transferring files to the server

More information about remote login procedures in the CS department can be found on the department's Web page at <http://www.cs.uchicago.edu/info/services>.

Reading Assignment for 2nd Class

- Read **HTML** chapter 1 and 2
- Read "Introduction to Linux" chapter 1.1, chapter 3.1-3.4
The "Introduction to Linux" online version can be found at <http://www.tldp.org/LDP/intro-linux/html/index.html>.
- Read "Introduction to telnet, ftp, SSH and SCP" at http://www.classes.cs.uchicago.edu/classes/archive/2003/summer/10100-1/docs/ssh_scp.html