

**Computer Science 101-01: Introduction to the World Wide Web
Summer 2000**

Class Info: MWF 10:30-12:20pm, Ryerson 276
Instructor: Jennifer Golbeck - jagolbec@cs.uchicago.edu
Office Hours- Ryerson 403 #8 by appointment
TA: Martha Van Devender
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Office Hours- Ryerson MacLab, TBA

I am always online, so if you have questions, chances are you will get a quick response via email.

Website:

This course, being a web course, will rely heavily on web updates. There is a class website which you should check daily. You're responsible for the info there.

<http://www.classes.cs.uchicago.edu/classes/current/CS101-01>

Tech Issues:

For this course you will need to establish an account on the classes server. All students must have this account to be graded for homework. Instructions will be included in HW1.

Textbooks:

The books are available at the University Bookstore, and can also be ordered online from Amazon (they are linked off of the course website if you're into the e-commerce thing).

- HTML: The Definitive Guide, by Chuck Musciano, Bill Kennedy, Mike Loukides. O'Reilly Press, 1998.
- Learning Perl (2nd Ed), by Randal L. Schwartz, Tom Christiansen, Larry Wall. O'Reilly Press, 1997.
- Programming Perl (2nd Ed), by Larry Wall, Tom Christiansen, Randal L. Schwartz, Stephen Potter. O'Reilly Press, 1996.

Grading:

50% Homework
20% Midterm
30% Final

All homework will be graded in Netscape version 4.current. You can feel free to work with which ever browser you choose, but in the end, it must work in Netscape and over the web. Errors can go undetected working in IE and/or off of your hard drive. So make a practice of coming into the MacLab and checking your work in Netscape over the internet. Grades will be posted online by ID#.

Late homeworks will not be accepted under any but the most extreme circumstances (hospitalization, etc). If you know that you will be gone on a certain day, please tell me ahead of time and arrange to hand in the homework early.

Syllabus

This is an approximate schedule of our coursework. It is subject to change, but I will tell you if that happens.

- 1.1 General Introduction, Browsers, Search Engines,
- 1.2 Introduction to HTML: HTML tag, TITLE tag, BODY tag, attributes , Text formatting, colors, rules,
- 1.3 Lists , Links
- 2.1 No Class
- 2.2 Images - the img tag, attributes, types of images, creating graphics, animated gifs, image maps
- 2.3 Tables, Frames
- 3.1 Forms, **Midterm Project Assigned**
- 3.2 Midterm issues, Forms: use with scripts, Programming: variables, functions, interpreters
- 3.3 Perl: setup, form of file, printing lines, printing blocks , loops
- Midterm Project Due In Class**
- 4.1 Grabbing form input, printing form input, arrays
- 4.2 Reading/Writing files, using form variables
- 4.3 Generating email, **Final Project Assigned**
- 5.1 Using Perl to create dynamic HTML pages, guestbooks
- 5.2 Regular Expressions
- 5.3 **Final Project Due, no class meeting**

Academic Dishonesty

Every year in CS101 there are several cases of academic dishonesty. I will not tolerate it. If I find out that you have cheated, several things will happen. The first is that you will receive a

disciplinary F. This is an F that permanently shows up on your transcript and cannot be removed by withdrawing or dropping the course. The second consequence is that I will make it my personal goal to have you expelled from this University. I have a great love for this institution and will not see its reputation and standards spoiled. Thus, consider this a warning. And mail it to your parents because if you get caught, the last thing I want to see is your mom and dad in my office telling me that I am unreasonable.

I am not unreasonable.

And on that note, if there is ever any ambiguity about this statement, or if you are wondering about the academic legality of something, ask me first. I will not get angry nor will it have any repercussions on you. In fact, I will welcome questions like "Can Jeff and I collaborate on this homework?" Although I will say "No", you can avoid all the unpleasantness.

Here are some, but not all of the things you are **absolutely prohibited** from doing in this class:

1. Using a web-authoring program: You are in this class to learn to program for the web. If you want to use a web authoring program (including but not limited to Netscape composer, Microsoft Front Page, Adobe Pagemill), drop the class now. If you think programming HTML is a waste of time, you shouldn't be in the class. You may not EVER use one of these programs.
2. Using a conversion program: You may not make a document in Microsoft word and use the "convert to HTML" option. That is, of course, not limited to Word, but applies to ANY conversion software.
3. Have someone else write your code for you.
4. Copy someone else's code: this gets tricky because things like View Source are really necessary tools to learning to program. So here is the test: if I suspect that you are not capable of writing the code you turn in, I will ask you to meet with me and explain to me how every tag, attribute, and function works. If you cannot explain part of your code, I assume you could not have written it. So if you borrow, make sure you completely understand what you are using.