

Syllabus for CS 101 -- Web Site Construction

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Intro

CS 101 is a web site for people who want to learn to make web sites. I will assume you've never made a web site before but have basic computer literacy skills. If you've been programming for years or are still trying to figure out this "mouse" thing please come see me.

You are welcome to eat and drink in class. It's OK to be somewhat silly in class. Playing video games or IMing in class is not allowed.

There will be many web site homeworks. These will be worth 60% of the final grade. There will be two midterms, each with 10%, and a final worth 20%.

The class will cover

Easy Stuff

- Basic web achitecture

 - What is the internet

 - Clients

 - Servers

 - Caching (and defeating it)

 - Accounting and Web Counters

 - Causes of web site slowness

- Copyright and Trademark

 - The law

 - My experience

- How Google works

 - Googlebombs

 - Pagerank

 - Improving your listing

 - Buying your spot on Google

- Why Microsoft Word(tm) sucks

- HTML including

 - Basic HTML

 - Head

 - Document type

 - Title

 - Author and other metadata

 - Character type

 - Body

 - Physical formatting

 - Bold

 - Italics

 - Emphasis

 - Blink

 - Underline

 - Logical formatting

 - Quote

 - Preformatted

 - Blockquote

 - Tables

 - Borders

- Entries that span more than one cell
- Lists
 - Ordered lists
 - Unordered lists
- Hyperlinks
 - Absolute
 - Relative
 - Mailto
 - To a named anchor
- Images
 - GIF vs JPG vs PNG
 - Basic image editing (put a someone else's head on your brother body)
 - Resizing images
 - Using images as a link
 - Using images as a table entry
- Frames
- Video
 - Making your own video
 - As a link
 - Embedded in the page
- Audio
 - Making your own soundtrack
 - Why everyone hates background noises on a web page
 - As a link
 - Embedded in the page
- Forms
 - Submit button
 - Radio buttons
 - Text areas
 - Text boxes
 - Pull down menus
 - Passwords
- JavaScript
 - Basic syntax
 - Validating forms using Javascript
 - Fancy web graphic tricks using Javascript
- Content Style Sheets
 - lots of stuff

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