Mid Term COP3502
Study Guide

lecture 2:
- Be able to define the different components of a computer
- Understand the machine cycle
- Define what the machine language is.

Unix overview
- Know some of the basic unix commands
- Know how to manipulate files as that is important
- Know how to navigate around. You should have lots of experience by now.

Lecture 3:
- Define how to determine processor performance
- Know and understand the formula and its components.
- Be clear on some of the terminology and their definitions.

Lecture 4:
- Understand the different numbering systems.
- Know your conversion techniques you will need them.

Lecture 5:
- Know how to define the different networks.
- Understand the layered architecture and be able to motivate why we do it that way.

Lecture 6:
- Its all about the HTML.
- Know the basic elements and their attributes … even if they are deprecated.
- Look at your homeworks the exam will require you to write some HTML.

Lecture 7:
- Networking some more. Know how computers connect.
- Define hubs/routers/switches and their differences.

Lecture 8:
- This is all about CSS.
- Understand the syntax. The language is huge so I am not asking you to memorize it all. But if I give you code you should be able to fix problems and so forth.
- Know how it works … mkay? :)
- Class vs id and their differences.
Lecture 9:
- Know how to write javascript.
- Look at the homeworks.
- Work through my examples I have on the class site: all this is fair game.
- Know how to make the form element work and its sub-elements.

Lecture 10:
- Describe and explain how to digitize information.
- Explain why and so forth.

Lecture 10/11:
- Know how to digitize sounds and how to get your own sound from analog to digital.
- Know both for CD conversion as well as to MP3 conversion.

Lecture 12/13:
- Understand and be able to explain how disk works.
- Be able to explain what the different terminology means.
- Understand how images are rendered on the screen for CRT and LCD's
- Be able to tell the difference between CRT and LCDs
- Tell the pro's and con's