
CS120 The Information Era

Prof. Shereen Khoja

MW 4:00pm - 5:15 pm

Marsh LL21

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1

Syllabus

- You should each get a hard copy of the syllabus
- The syllabus is also available online at
 - <http://zeus.cs.pacificu.edu/shereen/cs120/cs120.html>
- Let us read through the syllabus

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2

CS120 Goals

- To learn about communicating using computers and the internet
- How?
 - By becoming computer savvy
 - By learning software
 - By thinking critically about information
 - By becoming aware of the importance of the web and web design

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3

Warning!

- This class is NOT for those people who have already had a lot of expertise with multimedia software and/or web publishing
- It is not intended for those who are thinking about a CS major
- If either applies to you, see me ASAP!

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4

In Class Policies

- Show up for every class. Be prompt
- Do not leave early
- Take notes
- While I'm lecturing, do NOT use your computers unless I say so. Violating this policy will result in having your screen locked
- Absolutely no inappropriate web surfing will be tolerated
- Participate in class discussions
- If you don't understand something, ASK!

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5

CS 120 Topics

- Background in computers and the internet
- Discussion of internet issues
 - Copyright and Privacy
 - Freeware, Shareware, Spyware
- Web development using HTML, Javascript, and CGI scripts
- E-Commerce and Encryption
- Search engines and how they work

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6

Class Survey

- Let's get down to something practical
- Log onto the computers and open up a web browser
- Go to <http://zeus.cs.pacificu.edu/shereen/cs120/survey.html>
- Complete the survey, print it out and hand it to me
- If you get stuck, ask me for help!

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7

The Internet

- What's the Internet?
- What have been your experiences with the Internet?
- When/why/how do you use it?

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8

What's the big deal?

- The internet has been growing exponentially over the last 7 years.
- Millions of users
 - 934 million and counting
 - Which country has the highest percentage of its population online?
 - How distributed worldwide?
- http://www.clickz.com/stats/web_worldwide/

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9

What does it mean?

- Why do you think it's important that the Internet is growing?
- What's happening?
- How has it changed the way we live?

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10

Getting started

- How can we connect to the internet?
- What's an ISP?
- Can you name any ISP's?
- Do you use any? What do you think?

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11

What is a computer?

- Parts:
 - CPU
 - Monitor
 - Memory
 - Hard disk
 - Keyboard, Mouse
 - Network connection
 - Drives

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12

Let's talk memory/storage

- Define
 - bit
 - byte
 - KB
 - MB
 - GB
 - RAM
 - Floppy
 - Hard disk

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13

How do we connect?

- Modem, ISDN, DSL, cable modems, etc
 - What is the speed of an average modem connection?
- Ethernet connection: Let's look at the speed of the computers here. Compare with modem speeds
 - http://www.intel.com/personal/do_more/broadband/speedtest.htm
- More on how networks connect later...

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14

How do we access the web?

- Use a browser!
- Name two
- What do you use?
- Impressions?

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Surfing the Web

- What's web surfing?
- What are links (hypertext, hyperlink, hot link, button, etc)?
- What is a web page?
- What's a URL?

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16

Let's get started...

- Open up a web browser
- What's the default web page?
- Explore a link
- Can you get back? Find two ways

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17

For next time

- Read chapter 1 of *Web 101: Making the 'Net Work for You*.

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18