

CSC309F

Programming on the Web

Prof. Penny
W10:30-11:30, LP396C
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Course Goals

- Understand concepts and principles underlying Web technology
 - You will understand what's going on behind the scenes.
 - You won't need to practice hit & miss programming.
 - We will encourage a professional approach to Web development

Course Topics

- Static Client Content
 - Unicode, XML, CSS, XHTML, XSL,
- Dynamic Client Content
 - Forms, JavaScript, Java Applets
- Dynamic Server Content
 - Perl CGI, Java Servlets, RDBMS via Servlet JDBC
- Operational Concepts
 - Networks, protocols, web servers, security
- Hypermedia
 - introduction
- Guest Lecture
 - Brian Miller, VP Technology, grocerygateway.com

00 - Course Intro.

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Minimum Preparation

- CSC270, CSC209, CSC240
 - Java, systems programming, file structures, some degree of maturity in programming
- No prior knowledge of Web technologies is assumed.
 - Although we will move quickly so anything you already know will be an asset

00 - Course Intro.

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References

- Textbook
 - Required
 - "Programming the World Wide Web", 1st Edition, Robert Sebesta, Addison-Wesley, 2002
- Lecture Notes
 - Will post soon after each lecture
 - (bug me by e-mail if I forget)
- Other references
 - Also required
 - but, ... will find on your own:
 - Mainly from <http://www.w3.org>
 - Bookstores

Exam Fodder



Evaluation

- 4 assignments
 - ass1 (15%): HTML, XML, XSL
 - ass2 (15%): + JavaScript & Java Applet
 - ass3 (15%): Perl CGI
 - ass4 (15%): Java Servlets and RDBMS
- 1 practice test (0%)
- 1 final exam (40%)

Technology

- Must hand-in assignments on the CDF Sun facility
- Can do all work on that facility
- Can work at home as well
 - pro:
 - convenient
 - good experience
 - con
 - additional setup
 - extra work to install onto CDF and ensure everything works properly in that environment - NO EXCUSES!
- Tutorial Friday, Sep.14 1:00 in this room
 - Matt will introduce you to the CDF tech.