

Web Systems Development ITEC-2110

Fall 2006

Course: ITEC-2110
Lectures: Tuesday, Friday 12-1:50 Lally 102
Labs: Wed 2-3:50 Lally 102
Home Page: <http://www.cs.rpi.edu/~hollingd/websys/>

Instructor: Dave Hollinger
Office: Amos Eaton 107
Phone: 276-6722 Cell 428-0026
Email: hollingd@cs.rpi.edu
Office Hours: Mon 6-8pm, Thu 3-5pm (or by appt.)

TA: Shawn Pearce
pearcs@cs.rpi.edu

Texts: All texts are suggested only (not required!). These books are all available online via safari.oreilly.com.

- HTML and XHTML the Definitive Guide
- Javascript: The definitive Guide
- Web Database Application with PHP and MySQL, 2nd Ed.
- Learning UML

Grading: Labs: 10%
Tests: 30%
Homework: 30%
Final Project: 25%

Course Home Page: The course home page will include homework assignments, labs, lecture notes, references, handouts and announcements. Hardcopy of any class handouts will be provided only on request.

Cheating will not be tolerated. Any duplicate or near duplicate submissions will result in a minimum of a 2 letter grade drop for the final course grade for all students involved and may result in a failure for the entire course. For programming projects, you may *discuss* homework with other students, but sharing of code in any form is not acceptable (this means that looking at another student's code or showing your code to another student is **not** permitted). If you need help with a project - send mail to Dave or Shawn. Please contact the instructor if there is any part of this policy you do not understand.

Homework and Test Grading: Adjustments to homework and test grades will take place only during the week after grades have been returned to students. This means that you must bring any problems to our attention within one week of receiving a grade.

Homework Projects: There will be a number of homework assignments (3 or 4), most of these will involve a significant programming assignment.

Term Projects: Term projects will be done in groups of 2 to 4 students. Each project will involve the construction of a complete web site. Detailed information about the term project requirements will be available the second week of classes.

Course Schedule: Course topics and lab activities are listed below. Note that every 4th lab meeting will be a test (a total of three tests).

Week of	Lecture Topics	Lab (Wednesday)
August 29	The Internet, The WWW HTTP, HTML	No Lab
September 5	HTML/CSS	HTML Basics
12	XML, XHTML JavaScript Programming	Forms/Frames/CSS
19	JavaScript Programming	Javascript Programming
26	Server side programming, CGI, Sessions, Hidden Fields, Cookies	TEST #1: (HTML/Javascript)
October 3	Web Server configuration PHP The Language	PHP Programming
10	PHP Programming and Objects.	More PHP
17	UML	UML exercises
24	Database introduction MySQL, SQL and PHP-MySQL	Test #2: Servers, UML,PHP
31	Web Systems using PHP/MySQL	PHP-MySQL
November 7	XML,XSL,Web Services, AJAX	Web System Design
14	Web Security	Web Services
21	Term Project Meetings	No Lab (Thanksgiving)
28	Term Project Meetings	Test #3 XML/PHP/SQL
December 5	Term Project Presentations	