

CS 1520: Programming Languages for Web Applications (Fall 2005)

Department of Computer Science, University of Pittsburgh

Course Reference Number (CRN): 11271

When: Tuesdays & Thursdays, 1:00 pm – 2:15 pm

Where: Room 5502, Sennott Square Building

Instructor: Prof. Alexandros Labrinidis

Email: labrinid@cs.pitt.edu

Web: <http://www.cs.pitt.edu/~labrinid>

Office: 6105 Sennott Square

Phone: 412-624-8843

Office hours: Tuesday: 4:00 – 6:00 pm

Thursday: 4:00 – 6:00 pm

Graduate Teaching Assistant: Ali M. Alanjawi

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Office: 5404 Sennott Square

Phone: 412-624-1185

Office hours: TBD (check web page)

Undergraduate Teaching Assistants: Chris Povirk (crp11@cs.pitt.edu)
Ezra Smith (ews4@cs.pitt.edu)

Recitations: (first one will be on Tuesday, September 13th)

Tuesday 12:00pm - 12:50pm @ 6110 Sennott Square (CRN 12350)

Thursday 2:25pm - 3:15pm @ 6110 Sennott Square (CRN 12351)

Course Description: This course will explore various programming paradigms that are used when building web applications. Emphasis will be given on reusing existing components/libraries rather than building systems from scratch. This course will cover Perl, Java (including JSP) and PHP. The goal of the course is to expose students to a spectrum of web programming paradigms through lectures and hands-on project experience.

Prerequisites: A grade of C or better in CS 0445 is required (or permission of the instructor). Working knowledge of **Java** and familiarity with Unix are assumed.

Class Web Page: <http://db.cs.pitt.edu/courses/cs1520/fall12005>

All handouts and class notes will be published on the class web page. You are expected to check this page frequently (at least twice a week). The instructor's home page will also have a link to the class web page.

Textbook: *Programming the World Wide Web, 3rd Edition*, by Robert W. Sebesta. (c) 2005 Addison Wesley
ISBN: 0-321-30332-6.

Reference: Numerous reference books/chapters will be given throughout the term, mostly through O'Reilly's *Safari Bookshelf* for which the University has institutional access (i.e., you will not have to buy extra books).

Course Grading:

Assignments & Quizzes	50%	There will be 4-6 assignments/projects , most of which will have a significant programming portion. Also, there will be 1-2 in-class quizzes , which will be announced a week in advance. All have equal weight.
Midterm Exam	25%	Thursday, October 13th, 1:00pm – 2:15pm (SENSQ 5502)
Final Exam	25%	Monday, December 12th, 4:00pm – 5:50pm (SENSQ 5502) The final exam will cover all material , from the beginning of the term.

[please turn over]

Note on Email Communication: (NEW - please read carefully!)

You should send all email regarding class matters to **cs1520-staff@cs.pitt.edu**. Your email will go to the instructor, the graduate TA and the undergraduate TAs. If you have a confidential matter, then please email the instructor directly, but make sure to include the keyword **cs1520** in the subject line of your email messages. We will make every effort to respond to all email requests within one business day at the latest.

Class Mailing List: All students must subscribe to the class mailing list, so that they receive time-sensitive information from the instructor and TAs. You will be automatically added to the mailing list.

Grading Policy:

Unless explicitly noted otherwise, the work in this course is to be done independently. Discussions with other students on the assignments should be limited to understanding the statement of the problems (except when assignments are to be done in groups in which case it is expected of members of the same group to work together). **Cheating in any way, including giving your work to someone else, will result in an F for the course and a report to the appropriate University authority.** Submissions that are alike in a substantive way will be considered to be cheating by ALL involved parties. Please protect yourselves by only storing your files in private directories, and by retrieving all printouts promptly.

All assignments must be submitted electronically. Grades can be appealed up to two weeks after they have been posted; no appeals will be considered after that time.

Late Policy: A late assignment will receive a deduction of 5 points if it is up to one day past the deadline and 15 points if it is up to two days past the deadline. An assignment which is more than 2 days late will be accepted *only* under special circumstances with the instructor determining the penalty in a fair manner.

Make-up Policy: Students are expected to be present for all exams and quizzes. Make-up exams will only be given in the event of an emergency, and only if the instructor is informed **in advance**. Failure to notify the instructor prior to missing an exam will result in a zero for the exam.

Students with Disabilities:

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and Disability Resources and Services, 216 William Pitt Union, 412-648-7890 or 412-383-7355 (TTY) as early as possible in the term. DRS will verify your disability and determine reasonable accommodations for this course. Their web site is <http://www.drs.pitt.edu>.

Religious Observances:

In order to accommodate the observance of religious holidays, students should inform the instructor of any such days which conflict with scheduled class activities within the first two weeks of the term by email.

Outline:

A detailed reading guide will be published on the web page, along with the class notes and additional online articles and resources. Time permitting, we will cover the following topics:

1. introduction to Internet technologies
2. review of HTML/XML
3. Perl / Regular expressions
4. Java
5. Apache/Tomkat
6. Java Server Pages
7. PHP
8. JavaScript

[Last updated on September 6, 2005 at 8:52pm EST]