

CS 1520 / CoE 1520: Programming Languages for Web Applications (Spring 2012)

Department of Computer Science, University of Pittsburgh

When: Monday & Wednesday, 3:00 pm – 4:15 pm

Where: Room 5129, 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: Monday: 4:15pm – 6:00pm

Wednesday: 4:15pm – 6:00pm

Recitations: (first one will be on Wednesday, January 18th)

Wednesday 11:00am – 11:50am @ 5505 Sennott Square

Friday 3:00pm – 3:50pm @ 5505 Sennott Square

Graduate Teaching Assistant: Yann Le Gall

Email: cs1520-staff@cs.pitt.edu

Office: 6503 Sennott Square

Phone: 412-624-7253

Office hours: Tuesday: 1:30pm – 2:30pm

Wednesday: 1:00pm – 3:00pm

Thursday: 1:30pm – 2:30pm

Friday: 1:00pm – 3:00pm

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. 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). Familiarity with Unix and HTML are assumed.

Class Web Page: <http://db.cs.pitt.edu/courses/cs1520/spring2012>

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, 6th Edition*, by Robert W. Sebesta. (c) 2011 Addison Wesley
ISBN-10: 0132130815 / ISBN-13: 978-0132130813.

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	30%	There will be 4-5 assignments/projects , all of which will have a significant programming portion. All have equal weight.
Term project	15%	Due April 17th; Demos during finals week (multiple days)
Class participation	5%	For both lecture and recitations
Midterm Exam	25%	Monday, February 20th, 3:00pm – 4:15pm (SENSQ 5129)
Final Exam	25%	Friday, April 27th, 2:00pm – 3:50pm (SENSQ 5129) The final exam will cover only material after the midterm.

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.

[please turn over]

Note on Email Communication:

You should send all email regarding class matters to **cs1520-staff@cs.pitt.edu**. Your email will go to the instructor, and the TA. 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. **Due to spam filtering, you should always use your pitt email address when sending email and include your full name.**

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.

Students are expected to abide by the Dietrich School of Arts and Sciences' Academic Integrity code of conduct, posted at <http://www.as.pitt.edu/faculty/policy/integrity.html>

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. Assignments that are past two days late will not be accepted.

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 (by email) of any such days that conflict with scheduled class activities **within the first two weeks of the term.**

Audio/Video Recording:

To ensure the free and open discussion of ideas, students may not record classroom lectures, discussion and/or activities without the advance written permission of the instructor, and any such recording properly approved in advance can be used solely for the student's own private use.

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. Perl / Regular expressions
2. PHP
3. JavaScript / jQuery / XML / AJAX
4. Ruby / Rails

[Last updated on January 9, 2012 at 2:19pm EST]