

### **Time and location**

MWF 12:20-13:10, Upson 205

### **Instructor**

Riccardo Pucella (<http://www.cs.cornell.edu/riccardo>)

Office hours: Thursday, 13:00-14:00, Upson 5151.

### **Description**

From the course catalog description: “A focus on Unix as a programming environment for people with a basic knowledge of Unix and experience programming in at least one language. Projects cover advanced shell scripts (sh, ksh, csh), Makefiles, programming and debugging tools for C and other languages, and more modern scripting languages such as Perl and Python.”

In practice, the plan is to spend two weeks discussing shell scripting for a particular shell (bash), and two weeks discussing Perl.

### **Course dates**

COMS 214 is a four week, one credit, S/U only course. It runs February 23 to March 19, 2004. The drop deadline is March 1st, one week into the course.

### **Prerequisites**

The course prerequisites are a programming course (COMS 100) and an introductory Unix course (COMS 114), or equivalent.

### **Grading**

There will be three–four homeworks, and a passing grade for the course will involve doing all homeworks *and* getting at least 50% of the total grades.

### **Resources**

The web site for the course is <http://www.cs.cornell.edu/Courses/cs214/2004sp/>.

The newsgroup for the course is *cornell.class.cs214*.

You will all be provided with accounts on the Computer Science Undergraduate Lab Unix machine *babbage.csuglab.cornell.edu*. The CSUG Lab is located on the third floor of Upson Hall, and the fourth floor of Rhodes Hall.

## Books

The following books are useful, given the content of the course:

- UNIX Shells by Example, (2nd ed), E. Quigley, Prentice Hall, 2000. An excellent survey of the available shell families; covers both interactive and scripting uses.
- UNIX in a Nutshell, A. Robbins, O'Reilly, 1999. A good reference for UNIX in general.
- Programming Perl, (3rd ed), L. Wall, T. Christiansen, and J. Orwant, O'Reilly, 2000. The classic introduction to Perl.

All books are optional, and available from the campus bookstore. I'll try to work from online sources as much as possible.