

- **Course:** System Programming
- **Time & Place:** Tuesdays and Thursdays 2:00pm-3:45pm, Baskin Engineering, Room 165.
- **Discussion/Lab Sections:**
- **Time & Place:** Mondays and Wednesdays 5:00pm-7:00pm, Baskin Engineering, Room 105.
- **Instructor:** Dean Bailey; office: BE364; phone: 459-5277, e-mail: dbailey@cse.ucsc.edu
- **Teaching Assistant:** Gaurav Vijayvargiy, email: gaurav@cse.ucsc.edu
- **Office Hours:**
 - Bailey: Tuesdays and Thursdays 4:00pm-5:15pm.
 - Vijayvargiy: tbd
- **Required Textbook:** *Advanced Programming in the UNIX Environment*, by W. Richard Stevens, Addison-Wesley, 1993.
- **Goal:** To cover most of the material contained in Chapters 1 through 15.
- **Syllabus:** The chapter headings are a tentative syllabus for the course:
 - Introduction
 - UNIX Standardization and Implementations
 - File I/O
 - Files and Directories
 - Standard I/O Library
 - System Data Files and Information
 - Environment of a UNIX Process
 - Process Control
 - Process Relationships
 - Signals
 - Terminal I/O
 - Advanced I/O
 - Daemon Processes
 - Interprocess Communication
 - Advanced Interprocess Communication
- **Evaluation:** The course work will be weighted as follows:

Final Examination	30%
One Midterm Examination	30%
Programming Assignments	20%
Class Participation	10%
Homework Questions	10%
- **Academic Integrity:**
 - No form of academic dishonesty will be tolerated.
 - You are encouraged to discuss the course material and concepts with other students in the class. However, all work that you submit must be your own. Under no circumstances may you look at anyone else's code or show anyone else your code. And while you may discuss the concepts and techniques used in the programming assignments, you may not discuss implementation details of the assignments themselves.

- Incidents of academic dishonesty will be reported according to UCSC's policy on academic integrity, the full text of which can be found at <http://oasas.ucsc.edu/avcue/integrity>
- Specifically for this class, if you are caught turning in work as your own, that is not solely your own, or assisting others in doing so, a formal written report will be sent to your Department, the School of Engineering, and to your Provost and academic preceptor. Furthermore you will get a failing grade for the course and the incident will be noted in your evaluation.

- **Miscellanea**

- All homework assignments are to be handed in at the beginning of Class on Tuesdays.
- Attendance at class and at discussion sections/labs is required.
- The class has a newsgroup, which is accessible from the class webpages. We will occasionally post announcements and reminders there, but we will *not* answer questions on the newsgroup. The time and place to ask such questions and have them answered are the discussion sections and the office hours.

- **Other interesting textbooks, NOT required:**

- *UNIX Systems Programming for SVR4*, by David A. Curry.
- *Practical UNIX Programming: A Guide to Concurrency, Communication, and Multithreading*, by Kay. A. Robbins and Steven Robbins.
- *Advanced UNIX Programming, 2ed.*, by Marc J. Rochkind.