Course Description

COP 4600 covers introductory operating system design and implementation. We will cover the basics of operating systems, namely structure, concurrency, scheduling, synchronization, memory management, file systems, security and networking. Time permitting, we will discuss more advanced topics.

Prerequisites

- COP 3530C : Computer Science III
- COP 3402C : System Concepts/Programming
- Proficiency in C and JAVA programming language and familiarity with UNIX operating system

Textbook


References:

Grading Policy

- (20%) Mid Exam I – closed book, closed notes exam given in class
- (20%) Mid Exam II – closed book, closed notes exam given in class
- (20%) Final Exam – closed book, closed notes exam given during final exam week
- (25%) Programming Projects (five assignments, 5% each)
- (15%) Homework Assignments

Grading Policy

- Programming Projects
Details will be given out before the due dates for each part. This project must be written in JAVA on the UNIX system, Sun Sparc system called Olympus. You are welcome to write and test code on some other systems, if you wish, but it will be graded on Olympus and if it does not work there, it does not work. You will be given an Olympus account and, once the project has begun, should check course webpage regularly for updates.
- NOTE: To pass this course, you must successfully complete at least projects 1, 2 and 3. No exceptions.
- Late submission policy for the programming projects and homework assignments
  - No submission allowed after the due dates

Academic Integrity

You are expected to maintain a high level of ethical standards and integrity in this course. This means that all work you submit must be the result of your own individual effort. You may discuss homework problems with other students in the class, but you may not collaborate on the actual writing of the problem sets or development of solutions. Under no circumstances would it be acceptable for two or more students to turn in substantially similar answers to a homework problem, or to have possession of each others’ homeworks. Everyone with whom you discussed the homework set must be cited on the submitted homeworks. Any academic dishonesty (cheating, copying, or plagiarism) with respect to any exam or assignments will yield to a grade of F and will be dealt with in accordance with University procedures as described in the UCF Golden Rule: a handbook for students.
Why higher academic standard?