

Operating Systems

Course URL: www.cs.iusb.edu/~raman/os

Computer & Information Sciences, Indiana University South Bend

Spring 2009 Course Syllabus

Instructor : Dr. Raman Adaikkalavan	Section : 3066
Website : http://www.cs.iusb.edu/~raman	Lectures : TR 7-8:50P
Office : North Side Hall 329	Room : NS 225
Email : Message via http://oncourse.iu.edu	Office Hours : TR 5-6:45P or by appointment

COURSE OBJECTIVE & OUTLINE

The main objective of the course is to give students a thorough understanding of operating system principles and internals. The course assumes the knowledge of C and requires students to learn the MINIX operating system.

Topics covered include: overview of operating systems, process management, I/O management, memory management, file systems, and security.

TEXT BOOK

Operating Systems Design and Implementation, by Andrew S. Tanenbaum and Albert S. Woodhull. ISBN: 0131429388

GRADING

Total Points (1000): A+ (>999), A (>899), B+ (>869), B (>799), C+ (>769), C (>699), D+ (>669), D (>599), F (<600)

There will be quizzes (12%), three exams (36%), projects (36%), presentation (2%) and homework assignments (10%). Lowest announced quiz score will be dropped. Class attendance and participation are vital for active and effective learning and will constitute for 4% of the grade. This is an initial proposal, and instructor reserves the right to redistribute the percentages, if deemed necessary. The grading scale may be modified based on the class average.

ATTENDANCE & MAKE-UP

There are NO make-ups after the scheduled time. If you miss a quiz or an exam with a VALID excuse (University excused absence (e.g., representing IUSB); or Proper documentation of an illness (for the entire period)), your Final Exam grade will count in place of that grade. Attendance is **required**. If you are unable to attend class, **you are responsible for completing the material covered**. Please keep me informed about any extenuating circumstances that may affect your attendance.

HOW TO DO WELL IN THIS COURSE

Students who get the most out of this course will be the ones who put in the most effort. If you want to do well, **attend all the lectures**, read the assigned sections of the book/papers, and start early on your project/homework. Working out questions from book chapters will immensely help in doing well on quizzes/exams. If you are having difficulty, you owe it to yourself to get help. I will be more than happy to help you. Don't be afraid or feel shy to come and see me, as no question is a dumb question. If you cannot make it to office hours but really need help, contact me via email to setup appointment. I sincerely want all of you to do well. It is your responsibility to check the course website, and read **oncourse Emails/Announcements**. I would recommend you to utilize oncourse chat room effectively.

HOMEWORKS & PROJECTS

- Students must work alone on all assignments. Your work *must* be your *own*.
- Late assignments can be submitted for credit with NO penalty, with a valid excuse. There will be a penalty of 10% for the first 24 hours. Between 24-48 hours, a penalty of 30% will apply. After 48 hours assignments will not be accepted.
- Students are allowed to take an automatic extension of 24 hours on three assignments without any penalty, by sending an email to the instructor. After 24 hours usual penalties apply.
- After the graded sheets are returned, students will have 10 business days to discuss any grading issues. For submissions during the end of the semester and final exam, check with the instructor.

ACADEMIC INTEGRITY

“As a student you have a right to learn in an environment that provides for intellectual and ethical growth. This is also your responsibility and requires you to behave in an ethical manner. Therefore, your conduct must conform to the Indiana University Code of Student Rights, Responsibilities and Conduct (<http://www.iusb.edu/~judicial/>).”

- Students are encouraged to discuss assignments with other students in the class and other classes. However, the actual coding/assignment should be done individually.
- CHEATING, PLAGIARISM, or COLLUSION will NOT be tolerated.
- Sharing (even showing) your code/assignment with another student, even temporarily, is COLLUSION.
- Copying, even a part, of the code/assignment (e.g., from a tutor, from internet, another student in the same or different class, or from a previous semester) is PLAGIARISM.

Violation of ethics code will result in a grade of “0” for the applicable assignment, and further disciplinary action, including a failing grade for the entire course, possibility of dismissal from the University, may also be taken.

“Since dishonesty harms the individual, all students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced with zero tolerance.”

DISABILITIES

“Any student who feels that an accommodation may be needed based on the impact of a disability should contact the Office of Disability Support Services (<http://www.iusb.edu/~sbdss/>) at 520-4832 in office AL 113 of the Administration Building. Staff will work to coordinate reasonable accommodations for students with documented disabilities. If you need any help from me please feel free to contact me during the first week. ”