

CSI 294 - SpTp: Systems Programming

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Office Hours: DUNN N102 M 10:30-11:20, R 1:00:-2:15
and F 10:30-11:20

Overview: Systems Programming is a course constructed around programming at a lower level for the system. Topics will include regular expressions and UNIX commands, file manipulation and directory structure, C programming, bash scripting, Perl, and more. The course covers a broad variety of topics and thus there is no required textbook.

Exams: Tentative exam dates are: 10/12 and 12/2 with no final. An absence on the day of the exam will result in a grade of 0. Except in cases of very extreme emergency, exams must be taken on the day the exam is given. Before a make-up test is scheduled, documentation of the extreme emergency must be given. Make-up exams for tests missed due to an extreme emergency will be arranged for a time that is mutually convenient for the student and Dr. Ramsey.

Attendance: Attendance is mandatory in this course. On your fourth absence, you automatically fail the course. As a matter of courtesy, you are expected to notify Dr. Ramsey before class describing the reason of your absence. You must be present on the day of an exam or you will receive a 0.

There is no distinction between excused and unexcused absences. It is quite likely that I will email you to discuss the reasons you have missed the class, but it is ultimately your duty to keep track of your absences and to contact me. Missing a class may result in missed classwork and/or quizzes. There are no make-up quizzes or classwork. It is your responsibility to obtain assigned homework, announcements and class notes from a classmate.

Grading: The course is, at its core, designed and set up to be a seminar and experiential course. Thus there will be three presentations graded at 15% each, two exams at 15% each, and homework at 15%. The last 10% is based on classwork, quizzes and in-class participation. For the course to work, we'll all need to stay engaged and this is my incentive to that effect.

Programming assignments must be handed in on time and compile. Late homework (and programming that does not compile) will receive a grade of 0. Homework is due by the beginning of class on the day it is due. Do not 'touch' or modify your files on the server after handing in the assignment as this will change the time stamp. If you miss an assignment, you should always make up the work for consideration, review and mark up.

Academic Honesty: You are always subject to the Honor Code of Washington College. Always sign the honor code on materials that you hand in to me. All work must be your own.

Accommodations: If you have an accommodation that has been reported to the college, please let me know as soon as possible so I can work to meet your accommodation.

Suggestions: Get connected and involved. You may point out programming errors and discuss design with others, but all code must be of your own creation. Copying another students code will result in immediate failure of the course.

Rough Outline

Week 1	Unix Commands
Week 2	RegExp, Grep, Sed, Awk
Week 3	Grep, Sed, Awk, Presentations
Week 4	Programming for the System, command line
Week 5	file input/output, pipes, redirection
Week 6	directories, Exam1
Week 7	curses
Week 8	shell scripting
Week 9	shell scripting (cont)
Week 10	Perl
Week 11	Perl (cont)
Week 12	Perl
Week 13	Electives
Week 14	Electives, Exam2
Week 15	Electives