

Course Information

Professor Bob Kinicki, rek@cs.wpi.edu, FL135, phone: 831-6116

Course Web page: <http://web.cs.wpi.edu/~rek/Systems/A08/A08.html>

Teaching Assistants: Rabin Karki, Jeff Zhou

Student Assistants: Brian Bates

Office Hours: see course web page

Text: [required] *C How to Program*, Fifth Edition, Deitel and Deitel.

This course introduces students to systems programming concepts and advances their knowledge of data structures. This is a **non-beginner** programming course where programs will be written in C and C++. The course will expose the student to the UNIX system. Since this course was designed to include large-scale programming, an emphasis is placed on **non-trivial** programming tasks. All programs will be done individually by each student.

Students are responsible for any information transmitted during the lecture and in the lab-sessions!

Class Email and Communication

Students need to check their email **daily**. You will be added to the class email list, cs2303-all@cs.wpi.edu, automatically based on official registration information. The TAs, SA and I will use this mailing list to send information to the class. You can send email to the entire class using this group alias. Specific questions about the course should be sent to cs2303-staff@cs.wpi.edu and NOT to an individual TA or SA. Emails sent to this alias will be monitored by the TA and/or SA on-call that day (Sunday – Friday). They will do their best to promptly answer your detailed questions. I will handle all policy issues.

Programming Assignments

<http://www.cs.wpi.edu/Help/documentation-standard.html> specifies the CS Department Documentation standards. Documentation rules will be discussed in class prior to the first due date. Every function or subroutine **must** include the author of the function and reference routines ‘essentially’ taken from a book or web page.

You must use the CCC machine ‘turnin’ to turn in all the programming assignments and labs for this course (see <http://www.cs.wpi.edu/Help/turnin.html>). **Students can submit only one turn-in per programming assignment. If you discover a mistake in your turn-in submission, quickly send an email to the staff to ask for a chance for another submission.** Please include a README file with each assignment to provide information to assist the TA in grading your programs. All programs must compile and execute on one of the WPI CCC machines. You are encouraged to develop your programs on WPI Linux machines because historically students have had difficulties porting their programs from other operating systems and because there will be test data files available on CCC machines. Turned-in

programs that do **not** successfully compile will not be graded and will receive a grade of **0**. Programs **without comments** will not be graded and **will receive a grade of 0**.

Late Programming Assignment Penalties

All times below are based on the timestamp recorded when you use turning to submit your program. Note – all late penalties are taken off the top maximum score before the assignment grading begins.

Programs that are late time † where:

- 0 minutes < † ≤ 1 day **lose 20% off the top**
- 1 day < † ≤ 2 days **lose 40% off the top**
- 2 day < † ≤ 3 days **lose 60% off the top**
- 3 days < † **the grade is zero!**

Weekend days (Saturday and Sunday) are **excluded** from the count of late days. Programs are due at the **exact time specified**. Hence, the late time, †, given above is measured from **time specified with the due date**. **This scheme does not apply to Program 5 in that no late programs will be accepted for the last assignment.**

Course Grading Points

To pass this course you must have a passing grade on the programming assignments **AND** on the exams.

Program 1	12 Pts		
Program 2	36 Pts	First Exam	80 Pts
Program 3	40 Pts		
Program 4	48 Pts		
Program 5	64 Pts		
Lab Points	25 Pts	Final Exam	100 Pts
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Programming Total	225 Pts	Exam Total	180 pts
*Subjective Points	25 Pts		

Total Course Points 430 Pts

* **Subjective points** come from the opinions of the instructor, the TAs and SA with respect to class participation, any homework and lab assignments, and effort seen on programming assignments through interaction with the TA during office hours, emails and labs. Please be sure to introduce yourself during office hours if you want to receive subjective points from the course assistants. Note well - subjective points are **not guaranteed at all!**