CS2303 Systems Programming Concepts   C08

Course Information

Professor Bob Kinicki, rek@cs.wpi.edu, FL135, phone: 831-6116
Course Web page: http://web.cs.wpi.edu/~rek/Systems/C08/C08.html
Teaching Assistants: Adwait Belsare, Mo Liu, Can Ozmen , Suvesh Pratapa, Jeff Zhou
Student Assistants: Isaac Chanin , Keith Craig , Joseph Politz , Christian Roy

Office Hours: see course web page
Texts: [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 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, SAs 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. However, the current plan is to also use forums within course bulletin boards on the CS2303 MyWPI site to facilitate student interactions and discussion. Grades will also be posted on the MyWPI site. 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 TAs and/or SAs 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). 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 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

Note – all late penalties are taken off the top maximum score before the assignment grading begins.

Programs that are late time ✝ where:

0 minutes $< ✝ \leq 1$ day	**lose 20% off the top**	
1 day $< ✝ \leq 2$ days	**lose 40% off the top**	
2 day $< ✝ \leq 3$ 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. NOTE: Programs are due at the **exact time specified.** Hence, the late time, **✝,** given above is measured from **time specified with the due date.**

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**	**First Exam**	**80 Pts**
Program 2	**36 Pts**		
Program 3	**40 Pts**		
Program 4	**48 Pts**		
Program 5	**64 Pts**	**Final Exam**	**100 Pts**
Programming Total	**200 Pts**	**Exam Total**	**180 pts**
Lab Points	**25 Pts**		
***Subjective Points**	**25 Pts**		

Total Course Points 430 Pts

* Subjective points come from the opinions of the instructor, the TAs and SAa with respect to class participation, any homework and lab assignments, and effort seen through interaction with the TA on programming assignments. 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!**