Course Information {August 18, 2014}

Professor Bob Kinicki, rek@cs.wpi.edu, FL135, phone: 831-6116
Course Web page: http://web.cs.wpi.edu/~rek/Systems/A14/A14.html
Teaching Assistants (TAs): Dongqing Xiao (dxiao@wpi.edu),   McIntyre Watts (mlwatts@wpi.edu)
Student Assistants(SAs): Victor Andreoni Paseka (veandreonipaseka@wpi.edu)
Office Hours: see course web page
Texts: [required] *C How to Program*, Seventh 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 students write programs in C and C++. CS2303 exposes the student to the Linux operating system. Since the design of this course includes **large-scale** programming, an emphasis is placed on **non-trivial** programming tasks. The first **three** programs will be done **individually** by each student. Students will be assigned to two-person teams for programs 4 and 5 based on performance up to that point.

Class Email and Communication

Students need to check their email more than **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. This course does NOT use myWPI at all! 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 (e.g., illnesses and changes in due dates). Students are responsible for **any** information on the course web page and information transmitted during the lecture and the lab-sessions!

Programming Assignments

http://web.cs.wpi.edu/Help/documentation-standard.html specifies the CS Department Documentation standards. Documentation rules will be discussed in class prior to the first program due date. Every function or subroutine **must** include ONLY ONE author of the function and include references for 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://web.cs.wpi.edu/Help/turnin.html). The turnin names are `prog1`, `prog2`, …, `prog5` and `lab1`,`lab2`, …, `lab5`, respectively. You are allowed ONLY one turnin per assignment. 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 only on the 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	$<$ ✝ ≤ 1 day	**lose 10% off the top**
1 day	$<$ ✝ ≤ 2 days	**lose 30% off the top**
2 day	$<$ ✝ ≤ 3 days	**lose 50% 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 the **time specified with the program due date.**

Course Grading Points

Program 1	**15 Pts**	**First Exam**	**80 Pts**
Program 2	**40 Pts**		
Program 3	**42 Pts**		
Program 4	**45 Pts**		
Program 5	**68 Pts**	**Final Exam**	**100 Pts**
Programming Total	**210 Pts**	**Exam Total**	**180 pts**
Lab Points	**30 Pts**		
Subjective Points*	**30 Pts**		

Total Course Points 450 Pts

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

Note well - Students MUST fill out a partner evaluation form based on teammate performance on Programs 4 and 5. Passing this course requires obtaining at least a minimum number of programming points, a minimum number of exam points AND a minimum number of total points.