CSCI 2132 – Software Development
Winter 2017, Dalhousie University

Course website: http://web.cs.dal.ca/~mhe/csci2132/
Students are responsible for checking announcements posted on the course web page for assignment clarifications, course updates and other information.

Classes: 10:35-11:25, Mondays, Wednesdays and Fridays, LSC-COMMON AREA C236.
Labs: B01 - 11:35-12:55, Fridays, CS Labs 143; B02 - 11:35-12:55, Thursdays, CS Labs 133; B03 - 08:35-09:55, Fridays, CS Labs 134.

Instructor: Meng He
Office: 315, Phone: (902) 494-4056, Email: mhe [at] cs.dal.ca
Office hours: 1PM-2PM Mondays and Wednesdays, starting from Jan. 16. In addition, I'm typically available after lectures. You can also make an appointment.

Course Description: This course introduces programming and software development techniques in a procedure language. In particular, the C programming language and the UNIX operating system will be used to teach program design paradigms, source code management, software testing, debugging, scripting and other techniques useful for software development. A tentative list of topics is available on the course website.

Course Prerequisites: CSCI 1101.

Textbooks:
- K. N. King, *C Programming: A Modern Approach*, 2nd Ed., Norton, 2008.
- G. Glass and K. Ables, *UNIX for Programmers and Users*, 3rd Ed., Prentice Hall, 2003.

Grading:
- Seven assignments (A): best 6 out of 7 assignments will be used
- Midterm I (M1)
- Midterm II (M2)
- Final Exam (F)

Final Grade = A * 30% + max(M1*10%+M2*10%+F*50%, F*70%)

In other words, the best 6 out of 7 assignments are counted as 30% of your final grade, and if your final exam score is higher than the average of the two midterm exam scores, your final exam score will be used in place of both midterm exam scores in the calculation.

Assignments: There will be seven assignments. They are posted online on Wednesdays, and they are due at *3:00PM* on the due dates. All assignments are designed to be weekly assignments, though you will have more time for some of these assignments.

Difficulty rating: Each assignment is rated as bronze (easy), silver (moderate), or gold (difficult). There will be three bronze assignments, two silver assignments and two gold assignments, though this may change. Some bonus marks will be available for the two gold assignments.

Grace period: For each assignment, a grace period of 30 minutes after the deadline is granted, after which assignment submissions will be automatically marked as late by the online submission system, and 0 will be given as assignment marks.

Late assignment policy: No assignments marked as late by the online submission system will be accepted. If there are any valid reasons, see the *Accommodation Policy* section.

Assignments will be handed out and due as follows:

Assignments Number	Handed Out	Due
1	January 18	January 25
2	January 25	February 1
3	February 1	February 15 (2 weeks)
4	February 15	March 1 (2 weeks)
5	March 1	March 15 (2 weeks)
6	March 15	March 22
7	March 22	April 3 (due on Monday!)

Labs: Labs are supervised by teaching assistants from whom you can get help with questions you may have with your lab work and assignments.

The following 9 labs are mandatory, as what you will learn in these labs may be tested in exams: January 12/13, January 19/20, January 26/27, February 9/10, February 16/17, March 2/3, March 16/17, March 23/24, March 30/31.

There will not be any lab during the reading week. For non-mandatory labs, you can attend them to work on your homework assignments, and to work on the practice questions (to be posted online). You can also work on your assignments and practice questions during mandatory labs after you finish the lab work.

Midterm Exams: Midterm I – Wednesday February 8. Midterm II – Friday March 10. These two exams will be held in class.

Accommodation Policy: If you are unable to write one or both the midterms or one or more of the assignments for valid, well-documented reasons such as serious sickness, your final exam score can be used to cover the marks for your missing course work. If you miss the final exam due to a valid reason, an oral final exam will be scheduled, during which you will be asked to use a whiteboard to show your solutions.

Academic Integrity: At Dalhousie University, we respect the values of academic integrity: honesty, trust, fairness, responsibility and respect. As a student, adherence to the values of academic integrity and related policies is a requirement of being part of the academic community at Dalhousie University. You can find more details on Dalhousie University's Academic Integrity web site: http://academicintegrity.dal.ca