Programming and Problem Solving
Winter 2015 – CS110-001

Meetings: CL 112, MWF, 8:30-9:20
January 7 – April 10, inclusive

Instructor: Dr. Daryl Hepting
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Office: College West 308.22
Office Hours: MWF 9:30-10:20; TR 10:30-11:50
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Final Exam: April 23, 9:00-12:00
Web Site: https://urcourses.uregina.ca/ (URcourses)

Labs: In CL135.4, beginning January 12, choose one of: Tuesdays, 12:30-14:40 (093); Tuesdays, 8:30-10:20 (094); Wednesdays 16:30-18:20 (095); Mondays 16:30-18:20 (096); Wednesdays 10:30-12:20 (097); Thursdays, 12:30-14:40 (098); or Tuesdays, 14:30-16:20 (099).

Supplemental Instruction:
Tuesdays @ 13:30; Wednesdays @ 14:30, and Fridays @ 9:30 in CW308. All sessions led by Mr. Billy Hamilton.

Textbook: N. Daniel Liang, Introduction to Programming with C++, 3rd ed., Pearson, 2013. We will cover Chapters 1-7, 10.2.

Two copies of the textbook will be on 2-hour reserve in the main library. Assignment (and examination) questions may be given from the textbook. While you may use an older version of the textbook, you are responsible for difference between your copy and the current version. Here is a summary of the differences from the author: http://www.cs.armstrong.edu/liang/cpp3e/correlation.html

Calendar Description:

An introduction to problem-solving techniques, the fundamental concepts of programming, and the software design process. Topics will include: data types, control structures, scope rules, functions, files, and the mechanics of running, testing and debugging. Problems will be drawn from various science disciplines.

Communication:

To give everyone the best chance for success this semester, we will be using *piazza.com* for communication about the class. You can post there anonymously or privately to me, if you prefer. The advantage of using this method is that questions can be seen (and

answered!) not only by the instructor, but by all the students, TAs, and lab instructors associated with the class. That helps everyone! If you have any problems or feedback for the developers, email `team@piazza.com`. Our class on piazza.com can be accessed through URcourses and also directly at:

https://piazza.com/uregina.ca/winter2015/cs110/home

Evaluation:

3 Quizzes @ 10%:	30. %	
Final Exam:	50. %	(***must*** pass final to pass course)
Labs:	10. %	
Participation:	10. %	
Instructor Discretion:	+/- 5. %	
Research Credit:	up to 2. % (bonus)	
Total:	***100. %***	

Class assignments will be reviewed and commented upon. They are an opportunity for practice and feedback about your progress. Even though they will not contribute directly to your final mark, any submissions you make are subject to the policies and procedures below.

Policies and Procedures:

1. Please read the sections of the University of Regina Undergraduate Calendar (see www.uregina.ca/gencal/ugcal) dealing with attendance, evaluation, discipline and appeals, especially those regulations regarding academic integrity and plagiarism. Cheating will not be tolerated. Co-operation on programming assignments is generally encouraged, but it must be limited to verbal discussion of concepts; not program code or any other written documentation that is submitted for grading. Copying of assignments or previous solution keys is plagiarism. Knowingly allowing an assignment to be copied will also be treated as plagiarism. The consequence of plagiarism or any other form of cheating (such as copying on a quiz or examination) may range from a zero grade, to failure in the class, to expulsion from the University. Please note that the Dean of your faculty will be notified of any such incident, as per University regulations.
2. Article 5.13.1.1 in the Undergraduate Calendar stipulates that students are to conduct themselves responsibly and with propriety both in their studies and in their general behaviour. Misconduct, which may be in general behaviour, is subject to disciplinary action. Any student disturbing the class meeting will be asked to leave the room immediately.
3. If you have any concerns regarding a class mark, then take the following two steps: (i) clearly explain your concerns in an email; (ii) send the email to the class instructor. You must send this email with your concern about a class mark within one week after receiving the class mark.
4. There are no make-up quizzes or exams. Students who miss any of the quizzes or lab final must provide a valid reason ***with documentation***. In such cases, marks for the

missed quiz or examination will be reallocated to the final examination.

5. You must pass the final examination in order to pass the class. That is, if your final examination grade is X, where $X < 50$, then your CS110 grade will be X. It should also be noted that the final examination is comprehensive.

6. Deferred final examinations can only be granted by the Associate Dean (Academic) (for Faculty of Science students), or by the Deans (and/or Associate/Assistant Deans) of other Faculties or Federated Colleges. Deferred final examinations cannot be granted by the course instructor.

7. Special needs: Students in this course who may have need for specialized accommodations, should please discuss these accommodations with the class and lab instructors, and should also contact the Centre for Student Accessibility/Disability Resource Office (Riddell Centre, Room 251.15, 585-4631).