

**GRANDE PRAIRIE REGIONAL COLLEGE**

**DEPARTMENT OF SCIENCE**

**Computer Programming for Engineers**  
CS 1000 A3 3.8 (3-0-1.5) UT, Winter Semester 2010

**Instructor:** Dr. George Ding  
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**Office Hours:** 10 to 11:50AM Thursday or by appointment

This course is intended as the first programming course for engineers. Students are expected to become familiar with basic computer concepts and terminologies as well as to develop proficiency in C++ programming to solve engineering problems. By the end of the semester, students should have acquired a real appreciation into the difficulties involved in defining instructions in a manner precise enough for the computer to execute. Each student is expected to design and develop several well-structured C++ programs as solutions to given assignments. It is also expected that each student becomes familiar with certain features of PCs, Windows Vista, and Microsoft Visual Studio .NET 2005 C++ compiler.

**Text Books:** *C++ for Engineers and Scientist Second edition* by Gary J. Bronson, Thomson Learning. ISBN 0-534-99390-X.

**Labs:** Scheduled labs will begin in the week of January 3, 2010.

**Late Assignment:** An assignment turned in later than the due date will be penalized 10% of the total possible points for each day late (excluding weekends and college holidays). No late assignment will be accepted after the assignment is graded and returned.

**Marking:**

Assignments:	23%
Quizzes:	16%
Midterm Exam:	25%
Final Exam:	36%