GRANDE PRAIRIE REGIONAL COLLEGE

DEPARTMENT OF SCIENCE

INTRODUCTION TO COMPUTING
CS1010 3(3-0-3)

Instructors: David Gregg   **Office: C427**
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This course provides an overview of computing science concepts for
students with little or no programming background. We will explore
computing topics from both an applications orientation as well as
introducing the student to programming in a higher level language
(C++).

The student will become familiar with general computing concepts and
terminology. Topics include representation of data; machine
architecture; operating system concepts; properties of algorithms and
computational problems; syntax of a high-level procedural programming
language; basic data types and control structures.

The lab portion of the course will provide students experience in
programming in a high-level language as well as practical exercises to
complement the theoretical material presented in the lectures.

Laboratories:

Scheduled Lab facilities for this course are in the A and J Wing computer
labs. Labs will begin the week of September 7. Lab assignments are to be
completed and submitted during the same lab period. Lab assignments are
common to all lab sections.

TextBooks:

        Concepts: **An Invitation to Computer Science 4th ed.**
                                G. Michael Schneider and J.L. Gersting
                                Thomson Course Technology

        Lab Manual: **An Invitation to Computer Science 4th ed.**
                                C++ Version
                                Kenneth Lambert and Thomas Whaley
                                Thomson Course Technology

Marking:

Lab Assignments/Quizes		25%
Midterm Test	I	20%
Midterm Test	II	25%
Final Exam		30%

Grading:

Your final Alpha Grade will be determined using the following approximate percentage conversion:

Alpha Grade	Approximate Percentage Conversion
A+	90 – 100
A	85 – 89
A-	80 – 84
B+	76 – 79
B	73 – 75
B-	70 – 72
C+	67 – 69
C	64 – 66
C-	60 – 63
D+	55 – 59
D	50 – 54
F	0 – 49

Special Notes:

No late lab or project assignments will be accepted.

The student is responsible for adhering to **all** requirements as specified for each project/lab assignment.