GRANDE PRAIRIE REGIONAL COLLEGE

DEPARTMENT OF SCIENCE

Introduction to File and Database Management
CS 2910 A3 3 (3-0-3) UT, Winter Semester 2011

Instructor: Dr. George Ding

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Course Description:

This course is intended as the first Database course for Computing Science students.

Prerequisite: CS2010

Course Format:

This course consists of three hours of lecture, and three hours of laboratory instruction each week.

Course Objectives:

This course includes basic concepts in computer data organization and information processing. Topics to be covered includes: basic file structures, data fine storage, Entity-Relationship model, relational database model, relational database design and management, relational algebra and calculus, and SQL. Advanced database topics such as n-tier web architecture (database is one of the most important tiers), normalization theory, and JDBC/ODBC drivers for database connections will also be discussed. You are expected to develop the proficiency in Database design and SQL programming, and get the hand-on experience with commercial database management systems through programming assignments and a project.

Text Book: *Fundamentals of Database Systems* sixth edition by R. Elmasri and S.B. Navathe, Addison-Wesley. ISBN 0-13-608620-9.

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.

Transferability and Transfer Agreement

This course is transferable to UA, UC, UL, AU, AF, CU, and KUC. The transfer agreements set out for this course can be found by visiting the Alberta Council on Admission and Transfer website.

Calendar Description

The calendar description for this course can be found at the GPRC website.

Marking:

Assignments:	20%
Quizzes:	15%
Project:	10%
Midterm Exam:	25%
Final Exam:	30%

Grades: 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