GRANDE PRAIRIE REGIONAL COLLEGE

DEPARTMENT OF SCIENCE

Introduction to File and Database Management
CS 2910 A3 3 (3-0-3) UT, Winter Semester 2010

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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* fifth edition by R. Elmasri and S.B. Navathe, Addison-Wesley. ISBN 0-321-36957-2.

Labs: Scheduled labs will begin in the week of January 10, 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:	20%
Quizzes:	15%
Project:	10%
Midterm Exam:	25%
Final Exam:	30%