GRANDE PRAIRIE REGIONAL COLLEGE

DEPARTMENT OF COMPUTING, MATHEMATICS and STATISTICAL SCIENCES

Introduction to File and Database Management
CS 2910 3 (3-0-3) UT, Winter Semester 2005

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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, database design and management, Entity-Relationship model, Relational Model, relational query languages. Advanced database topics such as n-tier web architecture (database is the most important tier), normalization theory, and JDBC/ODBC drivers for database connections will also be discussed. Different database management systems such as Microsoft Access, Borland Inter-base Server, and MS SQL Server will be studied in this course. Students are expected to develop the proficiency in SQL programming through this course and use one of high-level programming languages (C++, Java, or Visual Basic) to finish the assigned database application project.

Text Book: *Fundamentals of Database Systems* fourth edition by R. Elmasri and S.B. Navathe, Addison-Wesley. ISBN 0-321-12226-7.

Labs: Scheduled labs will begin in the week of January 9, 2005.

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%
Term Project:	10%
Midterm Exam:	25%
Final Exam:	30%