

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 2004**

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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 file storage, database design and management, ER model, Relational Model, normalization theory, relational query languages. Advanced database topics such as n-tier web architecture (in which database is the most important tier), Distributed database and Client/Server architecture, 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* third edition by R. Elmasri and S.B. Navathe, Addison-Wesley. ISBN 0-8053-1755-4.

Labs: Scheduled labs will begin in the week of January 11, 2004.

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 university holidays). No late assignment will be accepted after the assignment is graded and returned.

Marking:

Assignments:	21%
Quizzes:	4%
Term Project:	15%
Midterm Exam:	25%
Final Exam:	35%