



DEPARTMENT OF SCIENCE
Introduction to File and Database Management
CS 2910 A3 3 (3-0-3) UT, Winter Semester 2012

INSTRUCTOR: Dr. George Ding
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PREREQUISITE: CS2010

REQUIRED TEXT/RESOURCE MATERIALS:

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

CALENDAR DESCRIPTION:

The calendar description for this course can be found at the [GPRC](#) website.

CREDIT/CONTACT HOURS: 3 credits/3-hour lecture and 3-hour lab per week

DELIVERY MODE(S):

This course includes 3-hour lecture and 3-hour lab per week

TRANSFERABILITY:

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.

GRADING CRITERIA:

Your final grade will be determined in the following manner:

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

Your final Alpha Grade will be determined using the following 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

STUDENT RESPONSIBILITIES:

Students are responsible for all lecture material, labs and readings. If the midterm is missed due to illness the weight will be put on the final. If the final is missed due to illness it will be deferred (refer to www.gprc.ab.ca for timelines). A doctor's note and a phone message or email will be required in both cases.

STATEMENT ON PLAGIARISM AND CHEATING:

Please refer to www.gprc.ab.ca for details of GPRC's policy regarding plagiarism, cheating and the resultant penalties. These are serious issues and will be dealt with severely.

OFFICE HOURS:

Monday 2:30-4:00 PM
Thursday 1:00-2:30 PM

COURSE SCHEDULE/TENTATIVE TIMELINE:

Week 1	Introduction
Week 2	E-R Diagram
Week 3	Relational Data Model
Week 4	E-R Diagram to Relational Data Mapping
Week 5	SQL
Week 6	SQL
Week 7	SQL
Week 8	Midterm
Week 9	Midterm Review and Relational Algebra
Week 10	Relational Algebra
Week 11	Transactions and Concurrency Control
Week 12	n-Tier Web application
Week 13	Database Normalization
Week 14	Data File Management and Review