

**GRANDE PRAIRIE REGIONAL COLLEGE**  
Department of Computer Systems Technology  
Course Outline

**CT 2310 - DATABASE PROCESSING 3(3-3)**

**INSTRUCTOR:** David Gregg

**OFFICE:** E216

**PHONE:** 539-2976

**MATERIALS REQUIRED:** Texts: Database Design and Management, Stamper and Price.  
Problem Solving & Programming Concepts, Sprankle, Maureen.

**PREREQUISITE:** CT 1420.

**COURSE OBJECTIVES:** This course will introduce you to data processing using Conventional File Processing Systems and Database Management Systems (DBMS). You will learn to design databases using logical and physical data models. Emphasis will be placed on application development using the relational data model and the SQL language.

**EVALUATION:**

Assignments and Quizzes:	35%
Mid-term exam:	25%
Final exam:	40%

**FINAL GRADE:** Final percentages are converted to GPRC's nine point scale as follows:

90 - 100%	9	
80 - 89%	8	Excellent
72 - 79%	7	
65 - 71%	6	Good
57 - 64%	5	
50 - 56%	4	Pass
45 - 49%	3	Fail
26 - 44%	2	
0 - 25%	1	

**COURSE CONTENT:** Please read the Chapters prior to their being covered in class lectures.

<u>Topic</u>	<u>Classes Required</u>	<u>Chapters</u>	
		<u>Stamper</u>	<u>Sprinkle</u>
Conventional Filing Processing	9	1, 2	10,11, 12, 13
Data Processing	2	3, 4	17
SQL and the Relational Model	11	5, 6, 13	
Design and Data Modelling	5	7, 8, 10, 11	
Normalization	3	9	
CODASYL	4	14, 15	

**ASSIGNMENT POLICY:** Assignments and Quizzes

The assignments and quizzes are worth 35%. Zero or more quizzes will be given in class time.

Quizzes and Assignments are all of equal weight.

#### Exams

The mid-term exam is held in class and is worth 25%. The final exam is scheduled by the Registrar and is worth 40%.

**ASSIGNMENT POLICY:** All assignments must be turned in - late or not - in order for you to receive a passing grade in this course. Late assignments will be accepted but penalized by 25%. **Assignments will not be worth any marks unless a 50% average is maintained on all exams and quizzes.**