

GRANDE PRAIRIE REGIONAL COLLEGE  
COURSE OUTLINE - WINTER 2000  
COMPUTER SYSTEMS TECHNOLOGY 3210  
PROGRAMMING RAD TOOLS AND 4GL'S 3(3-0-2) UT Pending

Lecture

Monday, Wednesday 8:30 - 9:50 B206

Lab

Friday 12:00 - 1:50 J101

COURSE DESCRIPTIONS

This course is an advanced course in programming information systems. Languages and tools popular in business will be used, including fourth generation languages, screen and report designers and CASE tools.

PREREQUISITE

CS 1150 Elementary Data Structures

Note: Formerly CT 2510

REQUIRED TEXT

McConnell, S. Rapid Development: Taming Wild Software Schedules. Microsoft Press, 1996.

REFERENCE TEXTS

Whitten, J.L., and Bentley, L.D. Systems Analysis and Design Methods, 4th edition. Twin, 1998.

COURSE OBJECTIVE

- 1) Know the various aspects of the PDLC
- 2) Understand the techniques of design using a RAD Tool
- 3) Hands on development of a program/software package

COURSE MATERIALS

Each student will also need several 3 and 1/2 disks in which to save work on.

IMPORTANT DATES

Jan. 4 Class begins

Jan 10. Last day in which to add a class

Feb. 14-19 Midterm exam week

Feb. 21-25 Winter Break (no class)

Mar 10. Last day to in which to drop a class

Apr. 21 Good Friday

Apr. 24 Final Exams Begin

## GRADING

Lab Assignments	20%
Term Test 1	20%
Term Test 2	20%
Project	20%
Final	20%

It is advisable to attend all classes. Tests and the final exam will be based on the text and instructor's notes.

## TENTATIVE CLASS SCHEDULE

Week	Topics	Readings
1	Introduction	
2	Rapid Development	Chapter 1- 3
3	Project Development	Chapter 4 & 39
4	Management	Chapter 5 & 24
5	Project Life cycle	Chapter 6, 7 & 35
6	Guessimation	Chapter 8 & 9
7	<b>Test 1 (Feb. 16)</b>	
8	Tools	Chapter 15,16 & 31
9	Team	Chapter 11 - 13
10	Project Control	Chapter 10 & 14
11	<b>Test 2 (Mar. 22)</b>	
12	Prototyping	Chapter 21,38 & 42
13	Quality Control	Chapter 18 & 26
14	Review & Finnish Projects	