

**GRANDE PRAIRIE REGIONAL COLLEGE
DEPARTMENT OF SCIENCE
COURSE OUTLINE**

CS 1000

WINTER SEMESTER 1994 - 95

TITLE: Computer Programming for Engineers

SCHEDULE: Monday, Wednesday, Friday 13:00 - 13:50 J 226
Lab L1 Wednesday 15:00 - 16:20 A312
Lab L2 Wednesday 16:30 - 17:50 A312

INSTRUCTOR: TBA
OFFICE:
TELEPHONE:
CONSULTATIONS: TBA

Course Content

This course is intended as a first programming course for engineers. Students are expected to become familiar with basic computer concepts and terminology as well as to develop proficiency in programming with PASCAL. By the end of the semester, students should have acquired a real appreciation (and insight) into the difficulties involved in defining instructions in a manner precise enough for the computer to execute.

This course will introduce most of the fundamental language features of PASCAL. (including all the control structures, simple data structures, procedures and functions). Each student is expected to design, write, test, debug and document several well-structured programs as solutions to given assignment problems. It is also expected that each student become familiar with certain features of PCs as well as the Borland Turbo Pascal Version 7.

Calendar Description:

3(3-0-1.5) Computer programming for engineering problems.
Structured programming in Pascal.

Laboratories:

you must purchase four (4) 3.5" HD or DD diskettes.

Lab facilities for this course are located in the A wing. Other locations will be announced if they become available.

Scheduled Labs will begin the week of January 9.

Text: **Problem solving in Pascal for Engineers and Scientists**
 By D M Etter

COMPOSITION OF THE COURSE GRADE:

Final exam	35%
Term Test	20%
Quizzes	15%
Lab Assignments	30%

Special Notes :

- 1) **NO LATE ASSIGNMENTS.**
- 2) The student is responsible for adhering to all requirements as specified for each assignment.

SCHEDULE OF EXAMINATIONS:

Term test : Friday, February 15, 1995 (Tentative)

Final Examination : Will be scheduled by Registrar's Office in April 1995.

Term tests and the final examination must be written at scheduled times.

Attendance: If a student misses a particular class it is their responsibility to know the material covered and announcements made.

Lateness: In order to avoid disruption, students are requested not to be late for classes.

Food and drink: LARGE meals are not allowed during the class time. A sandwich for survival will not be frowned at.

Time management: It is a good idea to apportion your time for Courses in your study schedule. Definitely reserve some time for fun and recreational activities. You need **some** relaxation for effective studying. After making a good study schedule, one must **follow** it. If a time-management problem develops during the term, re-arrange the **available time** wisely and then once again **follow the revised plan knowing that this is the best one can do** to get out of trouble. If one makes a reasonable and workable time schedule and follows it, then there will most likely be no occasion to re-arrange time in panic. Using a planning diary for daily activities also helps.

Good luck.