

Grande Prairie Regional College
Department of Science & Technology

MATHEMATICS 1130
(Elementary Calculus I)

Sep - Dec 1995/96

Instructor: Dr. L. Parent

Lecture A2 T R 11:00-12:20 J 203
Seminar AS1 T 15:00-16:50 J 203
Seminar AS2 W 15:00-16:50 J 204

Office: C 201
Ph: 539 2964

Text: ANTON, H. *Calculus* 5th Brief Edition
(required) John Wiley & Sons, Inc.

Solutions Manual: HERR, A. *Student's Solution Manual*
(optional) John Wiley & Sons, Inc.

Prerequisite: Math 30

Course Content: The course material will correspond approximately to chapter 1 through chapter 5 and sections of chapter 6.

Calculators: Use of calculators in the examinations/tests/quizzes is not permitted. They will not be needed.

Final Grade: The distribution of marks for final grade is:

Quizzes	25%	
Midterm Test	25%	19 Oct 1995
Final Examination	50%	Date to be announced

Quizzes These, in general, will be administered on Thursdays. This schedule may have to be changed depending on the progress of the lecture(s). The instructor will advise the class of any such change(s) at the appropriate time.

Practice Problems A list of practice problems from the text will be recommended. The student is strongly urged to solve these problems at home as the corresponding section(s)/chapter(s) is covered in the class. The list of problems is the minimum the student should do in each section.

Seminars Seminars are in essence problem solving sessions and as such are a very important part of the course. Experience of many years indicates that students who attend seminars, take the seminars seriously, and complete the allotted practice problems usually do well in the course. Attendance record is maintained.

- Attendance** If students miss a specific class it is their responsibility to keep track of the material covered in that (missed) class and any announcement(s) made in that class. One way to do this would be to get class notes from a fellow (attending) student who takes notes with care.
Attendance record will be maintained.
- Lateness** In order to avoid disruption, students are requested not to be late for classes.
- Food and Drink** Large meals are not permitted during the class time.
A sandwich for survival will not be frowned at.
- Time Management** It is a good idea to apportion time for your courses in the study schedule. Definitely reserve some time for fun and re-creation activities. You need some relaxation for effective studying. After making a good study schedule, one must follow it. If 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 reasonably workable time schedule and follows it, there will be most likely no occasion to re-arrange time in panic. Using a planning diary for daily activities also helps.
- Class Notes** Take appropriate notes in the class placing a special mark or a symbol by the side of a concept or a problem that is important or difficult to understand or remember. It helps students immensely to go over the day's notes at home preferably the same day when the matter is fresh in their minds. Going over the notes passively like reading a novel does not do much good for the learning process. Actually work out some or all of the problems solved in the class and then attempt practice problem(s) set.
- Preparation for Quizzes Exams** Remember that Mathematics is a sequential subject. Weakness in earlier chapters definitely hinders comprehension and mastery of later material. One cannot accumulate Mathematics work and expect to do well by putting in a lot of concentrated effort just before an examination. Mathematics has to be learnt in sequence and master it in sequence while proceeding at a reasonable pace.
- Remember** "I hear and tend to forget
I see and try to remember
But I do to understand."

Everything is learnt by *doing* and Mathematics is no exception to this golden rule.
Just do it would be a good way to learn Calculus.