

# GRANDE PRAIRIE REGIONAL COLLEGE

DEPARTMENT OF SCIENCE

COURSE OUTLINE

## MATHEMATICS 1000 A2

Fall SEMESTER 1993 - 94

**TITLE:** CALCULUS I

**SCHEDULE:** Class:  
Monday, Wednesday, Friday 9:00 - 9:50 J227

Seminar:  
AS1 Thursday 3:00 - 4:50 J202  
AS2 Friday 3:00 - 4:50 J202

**INSTRUCTOR:** Thomas Kaip

**OFFICE:** J 212

**TELEPHONE:** 539 - 2963

**CONSULTATIONS:** ANY TIME THAT IS CONVENIENT TO BOTH YOU AND ME

**TEXT:** i) James Stewart; Calculus

ii) Student's solution manual to accompany (i)

### COMPOSITION OF THE COURSE GRADE:

Final exam	50%
Term Test-1	15%
Term test-2	15%
Quizzes	10%
Assignments	10%

## **SCHEDULE OF EXAMINATIONS:**

Term test 1 : Monday, October 11, 1993 (Tentative)

Term test 2 : Monday, November 8, 1993 (Tentative)

Final Examination : Will be scheduled by Registrar's  
Office in December 1993.

**Quizzes, term tests and the final examination must  
be written at scheduled times.**

**Quizzes:** Generally, quizzes will be administered in seminars. This schedule has to be changed sometimes depending on the progress of the class. The instructor will let the class know of any such change at the appropriate time.

**Assignments:** There will be 10 to 12 assignments. Assignment Problem Sets will be made available to students at appropriate times. Assignments should be legible and neatly done. Assignments must be submitted on time. **Late assignments will not be accepted.**

**Seminars:** Seminars are a very important part of the course. The instructor is present in the seminar to help students on Seminar Problem Sets and on material covered in the class.

Experience of many years indicates that students who attend seminars, take the seminars seriously and complete the allotted work usually do well in the course.

**Homework:** From time to time some home-work will be suggested from the text-book as different topics are covered. This home-work is for practice only and need not be handed in.

**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 who are late will not be permitted to enter the class.

**Calculators:** Calculators are not allowed in quizzes, term tests and examinations.

**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 mind. Going over the notes passively like a novel does not do much good for the learning process. Actually work out some or all of the problems completed during the class and then attempt other home-work questions.

If you miss a class, it is important that you keep track of material covered in the class. One way to do this is to get class-notes from a peer who takes notes with care. Write the notes rather than xerox them. Kinesthetics of writing helps comprehension and retention. Xeroxing of notes should be resorted to only when one has run into time-management problems due to circumstances beyond one's control.

**Time management:** It is a good idea to apportion time for your 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.

**Quizzes and Exam Preparation:** Remember that Mathematics is a sequential subject. Weakness in earlier chapters is 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 exam. Mathematics has to be learnt in sequence and has to be mastered in sequence while proceeding at a reasonable pace.

It is beneficial to go over class notes the day (night) before the quiz day. Special notations placed at important and difficult details in your notes will facilitate preparation for quizzes and exams. The review of notes, assignments and homework should also involve selected problem solving.

**Finally:** Everything is learnt by doing and Mathematics is no exception to this rule. "Just do it" would be a good way to learn anything and definitely Mathematics.

Good luck.

**MA1000 Detailed Schedule**

WEEK	September	Monday	Wednesday	Friday
1.	8 10		Review	Review
2.	13 15 17	Review	Review	1.2-1.3
3.	20 22 24	1.3	1.4,2.4	1.5
4.	27 29	2.1-2.2	2.5,2.4	
<b>October</b>				
	1			2.6-2.7,2.9
5.	4 6 8	1.6,2.3	2.8	2.10
6.	11 13 15	<b>NO CLASSES</b>	<b>TERM EXAM #1</b>	
7.	18 20 22	3.1-3.2	3.3-3.7	3.3-3.7
8.	25 27 29	3.8-3.9	3.10,4.6	4.6
<b>November</b>				
9.	1 3 5	4.6	4.1-4.2	4.3-4.4
10.	8 10 12	4.4-4.5	4.5,5.1	6.6
11.	15 17 19	<b>TERM EXAM #2</b>		6.6,6.4-6.5
12.	22 24 26	6.4-6.6	6.1-6.2	6.1-6.2
13.	29	6.3		
<b>December</b>				
	1 3		6.3,6.7	6.7
14.	6 8	Review	Review	

**NOTE:** This will only be used as a guide. It is not a strict schedule.