INTRODUCTION TO MATH 0131

This course is divided into 10 separate units called modules. The instructions are given in the modules along with several examples and exercises. Study the instructions and work through the examples before starting the exercise. The answers for the exercises are given at the end of the module. Check your work often. The key to success in working with modules is to ask questions whenever you have difficulty understanding the instructions, the examples or the exercises. Do not hesitate to ask for help.

After each module you must write a post-test. A passing mark of 60% is required on the post-test before continuing on to the next module. Students unable to attain this mark must review the material and rewrite the test to continue. The second test score will be averaged with the first to calculate your course mark.

All students are expected to write a midterm exam covering the first five modules on the date shown.

Upon completion of all modules, you will write a 3 hour final exam. Attached is the recommended test date for each module as well as the date for the midterm.

Your final mark is determined by:

10 module tests	40%
Midterm	15%
Final Exam	45%

You will find a calculator, with the following functions, helpful in this course:

$$EXP, \quad \sqrt{x}, \quad \sin, \quad \cos, \quad \tan, \quad y^x, \quad \pi, \quad \%$$

MATH 0131 - WINTER 1997

MODULE	TOPIC/DESCRIPTION	RECOMMENDED TIME/TEST DATE
1	Sequences, Limits	1 week Jan 13
2	Calculus - Tangents - Slopes - Derivatives	1½ weeks Jan 22
3	Distance, Velocity and Acceleration - average and instantaneous velocity - instantaneous acceleration - maximum and minimum distances and velocities	1 week Jan 29
4	Maxima and Minima - word problems	2 weeks Feb 11
5	Derivatives of Functions - chain rule - product rule - quotient rule	1½ weeks Feb 19
	MIDTERM EXAM	**Feb 21**
6	Tangents, Derivatives and Graphs	1½ weeks Mar 11
7	Further Applications of Derivatives	1½ weeks Mar 20
8	Anti-Derivatives and Area	1 week Mar 27
9	TBA	1 week Apr 3
10	TBA	1 week Apr 10
	FINAL EXAM - 3 HOURS	T.B.A.