W 95
F. Tesar

INTRODUCTION TO MATH 0131

This course is divided into 9 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 the one used 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:

9 module test	45%
Midterm	15%
Final Exam	40%

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

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

MODULE	TOPIC/DESCRIPTION	RECOMMENDED TIME/TEST DATE
1	Introduction to Limits	1½ weeks January 16
2	Tangents and Rates of Change	1 week January 23
3	Sequences and Series	1 week January 30
4	Introduction to Derivatives	1½ weeks February 10
5	Maxima and Minima	1½ weeks February 19
	Midterm Exam	February 20
6	Derivatives of Functions	1½ weeks March 11
7	Tangents, Derivatives and Graphs	1½ weeks March 20
8	Applications of Derivatives	1½ weeks March 31
9	Anti-Derivatives and Areas	1½ weeks April 15
	FINAL EXAM - 3 HOURS	**T.B.A.**