Grande Prairie Regional College
Academic Upgrading Department

INTRODUCTION TO MATH 0131

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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 50% 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.

A 50 minute midterm which will cover the first five modules must be written by a **compulsory date**. If you miss this date you will receive a mark of 0% on your midterm. Upon completion of all the course modules you will write a three hour final exam. Be sure to allow time to write these important exams! They are worth a large percentage of your final grade.

Attached is the recommended test date for each module as well as the date for the midterm. Consult your instructor immediately if you find yourself falling behind schedule.

Your final mark is determined by:

10 module tests	40 %
Midterm	20 %
Final Exam	40 %

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

EXP $\sqrt{x}$ sin cos tan y^x π %

BONUS
When you write your module tests on or before the given date, you will receive an additional 2% on each test score.

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Module	TOPIC/DESCRIPTION	Recommended Time & Test Date	Date you wrote	Your mark
1	Introduction to Limits	8 days Sept. 12		
2	Tangents and Rates of Change	4 days Sept. 18		
3	Sequences and Series	6 days Sept. 26		
4	Introduction to Derivatives	8 days Oct. 8		
5	Maxima and Minima - word problems	6 days Oct. 17		
	MIDTERM - must be written on or before	**Oct. 21**		
6	Derivatives of Functions - chain rule - product rule - quotient rule	7 days Oct. 30		
7	Tangents, Derivatives and Graphs	7 days Nov. 12		
8	Further Applications of Derivatives	5 days Nov. 19		
9	Anti-Derivatives and Area	6 days Nov. 27		
10	Derivatives of Trigonometric Functions	6 days Dec. 5		
	FINAL EXAM - 3 HOURS	**TBA**		