Grande Prairie Regional College
Department: Academic Upgrading

Course Outline— Winter 2008

INTRODUCTION TO MA0135

Instructor's name: _____ Phone number: _____

Instructor's office: _____ Email: _____

Course Description:

MA 0135 Mathematics Grade 12 Equivalent 5 (5-0-0) Time: 75 Hours

Description: The course includes a review of fractions and decimals, measurement, ratio, proportion and percent, operations with polynomials, equations and inequalities, exponents and radicals, factoring, rational expressions, quadratic equations, statistics and probability. Prerequisite: MA0120 or equivalent, or MA0125, or equivalent math placement test score.

Resource requirements:

Scientific calculator
Modules will be provided. An auxiliary fee has been charged for the use of these modules.

Attendance:

Regular attendance is expected of all students in all mathematics courses. Your success in math is directly linked to your attendance. Attendance will be taken during class. Any student **missing more than 15 classes may be debarred from writing the final exam**.

Course Delivery and Evaluation:

This course is divided into 9 separate units called modules. The instructions for each topic are given in the modules, followed by several examples and exercises. Study the instructions and work through the examples before starting each exercise. The answers for each exercise are given at the end of the module. Check your work **often** to make sure you understand each new topic.

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 test. When writing a test, be sure to show all of your work on the test paper. Marks are given for method as well as final answer. A passing mark of 60% is required on the test before continuing on to the next module. If you are unable to attain this mark, you must review the material and rewrite the test. The first and second test marks will be averaged.

A 50-minute midterm, which will cover the first five modules, must be written by **Thursday February 14.** 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 leave time to prepare for these important exams! They are worth a large percentage of your final grade.

The recommended test date for each module and the midterm is on the next page. Follow these dates as closely as you can. You are encouraged to write a test early if you are prepared. **Consult your instructor immediately if you find yourself falling behind schedule.** Your instructor may need to reassess your math skills to ensure that you are placed in a course where you can be successful. **All module tests must be written by Friday April 11, 2008.**

Bonus
When you write your module tests on or before the given date, you will be awarded an additional 2% on your score for each test.

Your final mark is determined by:

9 module tests	45%
Midterm	20%
Final Exam	35%

Final grades are given as follows:

Alpha Grade	4-Point Equivalent	Percentage Guidelines	Designation
A+	4.0	90 - 100	Excellent
A	4.0	85 - 89	
A-	3.7	80 - 84	First Class Standing
B+	3.3	76 - 79	
B	3.0	73 - 75	Good
B-	2.7	70 - 72	
C+	2.3	67 - 69	Satisfactory
C	2.0	64 - 66	
C-	1.7	60 - 63	
D+	1.3	55 - 59	Minimal Pass
D	1.0	50 - 54	
F	0.0	0 - 49	*Fail*

MATH 0135 - Winter 2008

Module	TOPIC/DESCRIPTION	Recommended Time & Test Date	Date written	Your mark
1	Fractions / Decimals (burgundy) -review of fractions and decimals	5 days Wednesday January 9		
2	Measurement (orange)	4 days Tuesday January 15		
3	Ratio, Proportion, & Percent (burgundy)	6 days Wednesday January 23		
4	Factoring (burgundy) -common factors, trinomials, and difference of squares; solving equations by factoring	7 days Friday February 1		
5	Review (burgundy) -signed numbers, order of operations, fractions, polynomials, equations, inequalities & number line graphs	7 days Tuesday February 12		
	MIDTERM - must be written on or before	**Thursday Feb. 14**		
6	Exponents & Radicals (burgundy) - rational exponents, four basic operations on exponents and radicals, solving radical equations	9 days Wednesday March 5		
7	Rational Expressions (burgundy) -non permissible values, simplifying four basic operations, equations	8 days Monday March 17		
8	Quadratic Equations (burgundy) -solving by factoring & quadratic formula -nature of roots, applications	7 days Thursday March 27		
9	Statistics (yellow)	9 days Wednesday April 9		
	FINAL EXAM - 3 HOURS	**T.B.A.** **(April 14-24)**		