



**Grande Prairie Regional College**  
**Department: Academic Upgrading**

**COURSE OUTLINE—Winter 2008**

**INTRODUCTION TO MATH 0090**

Instructor's name: \_\_\_\_\_ Phone number: \_\_\_\_\_

Instructor's office: \_\_\_\_\_ Email: \_\_\_\_\_

**Calendar Description:**

MA 0090 Basic Mathematics III 5 (5-0-0) Time: 75 Hours

Description: This course is an individualized program of study which covers whole numbers, fractions, decimals, integers, percent, and an introduction to algebra, geometry, graphing and statistics.

Prerequisite: [MA0080](#) or equivalent math placement test score.

**Resource requirements:**

Package of MA0090 modules, 2005

Scientific calculator (**Calculator may be used after completion of Midterm**)

**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 mark will be averaged.

A 50-minute midterm, which will cover the first five modules, must be written by **Wednesday, February 13**. 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 tests must be written by 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	<i>Designation</i>
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	<i>Fail</i>

**MATH 0090 – Winter 2008**

Module	TOPIC/DESCRIPTION	Recommended Time & Test Date	Date written	Your Mark
1	Basic Arithmetic -four basic operations with whole numbers, decimals & fractions; place value - complex fractions and applications	8 days Jan 14		
2	Integers -four basic operations, exponents -order of operations	9 days Jan 25		
3	Introduction to Algebra -basic algebraic concepts -evaluating expressions	5 days Feb 1		
4	Equations -solving simple linear equations	6 days Feb 11		
	<b>MIDTERM must be written on or before</b>	<b>Wednesday Feb 13</b>		
5	Percent -changing percent to decimals & fractions -changing decimals and fractions to percent -the percent proportion	8 days Mar 3		
6	Language of Geometry -plane geometry & metric review	7 days Mar 12		
7	Dimensional Geometry -perimeter, area, volume, and surface area	8 days Mar 25		
8	Intro to Graphing	4 days Mar 31		
9	Statistics -organize data, graphs -measures of central tendency	9 days Apr 11		
	<b>FINAL EXAM - 3 HOURS</b>	<b>TBA (Apr 14 - 24)</b>		

In Math 0090, a calculator WILL NOT BE USED until after the midterm