Grande Prairie Regional College
School of Business
Department: Academic Upgrading

Course Outline —Winter (Evening) 2007

INTRODUCTION TO MATH 0115

Instructor: Sukhvir Sandhu

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Calendar Description:

MA 0115 Mathematics Grade 10 Equivalent 5 (5-0-0) Time: 75 Hours

Description: A review of fractions, decimals and percent is followed by algebraic terms and equations, insurance, retail pricing, consumer credit, geometry, and an introduction to trigonometry.

Prerequisite: MA0100 or MA0105 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 6 classes may be debarred from writing the final exam**.

Course Delivery and Evaluation:

This course is divided into 10 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 **Thursday, March 01. 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 12, 2007.**

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:

10 module tests	50%
Midterm	15%
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*

MA0115 – Winter (Evening) 2007

Module	TOPIC/DESCRIPTION	Recommended Time & Test Date	Date written	Your mark
1	Fractions and Decimals - review fractions, decimals and percent	5 days Thursday Jan. 11		
2	Insurance	5 days Thursday Jan. 18		
3	Discounts - trade discounts, discount series - cash discounts	9 days Thursday Feb. 01		
4	Markup and Markdown - selling price	9 days Thursday Feb. 15		
5	Consumer Credit	5 days Tuesday Feb. 27		
	MIDTERM - must be written on or before	**Thursday March 01**		
6	Algebraic Terms - four basic operations	5 days Thursday March 08		
7	Equations	7 days Tuesday March 20		
8	Language of Algebra - writing algebraic expressions - writing algebraic equations - word problems	5 days Tuesday March 27		
9	Geometry -perimeter, area and volume	5 days Tuesday April 03		
10	Trigonometry - Pythagorean Theorem - sin, cos, and tan	8 days Thursday April 12		
	FINAL EXAM - 3 HOURS	**T.B.A.** **(April 16 - 24)**		