



DEPARTMENT OF ACADEMIC UPGRADING

COURSE OUTLINE – FALL 2010

INTRODUCTION TO MATH 0115

INSTRUCTOR: Christine Frattini **PHONE:** (780) 539-2810
OFFICE: Math Lab A210 **E-MAIL:** cfrattini@gprc.ab.ca

OFFICE HOURS: Daily, 2:30-3:30 pm in the Math Lab

PREREQUISITE(S)/COREQUISITE:

MA0090 or MA0105 or equivalent math placement test score

REQUIRED TEXT/RESOURCE MATERIALS:

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

Scientific calculator

CALENDAR DESCRIPTION:

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.

CREDIT/CONTACT HOURS:

MA 0115 Business Mathematics Grade 10 equivalent 5 (5-0-0)

Time: 75 Hours

DELIVERY MODE:

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 marks will be averaged.

A 50-minute midterm, which will cover the first five modules, must be written by **Wednesday, October 20**. 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 back of 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 Tuesday, December 7.**

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.

OBJECTIVES:

This course is designed for students considering a one or two year program in office or business administration; it consists of basic mathematics and business topics.

SUCCESS STANDARD:

Although 50% is considered a pass for this course, if you wish to be successful at the next level, we strongly recommend that you achieve a mark of 60% or better.

GRADING CRITERIA:

Your final mark is determined by:

10 module tests	50%
Midterm	15%
Final Exam	35%

GRADING CRITERIA:

GRANDE PRAIRIE REGIONAL COLLEGE			
GRADING CONVERSION CHART			
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	77 – 79	
B	3.0	73 – 76	GOOD
B⁻	2.7	70 – 72	
C⁺	2.3	67 – 69	SATISFACTORY
C	2.0	63 – 66	
C⁻	1.7	60 – 62	
D⁺	1.3	55 – 59	MINIMAL PASS
D	1.0	50 – 54	
F	0.0	0 – 49	FAIL
WF	0.0	0	FAIL, withdrawal after the deadline

**MA0115 – FALL 2010
TESTS / EXAMS**

Module	TOPIC/DESCRIPTION	Recommended Time & Test Date	Date written	Your mark
1	Fractions and Decimals - review fractions, decimals and percent	5 days Thursday Sept. 9		
2	Insurance	6 days Friday Sept. 17		
4	Markup and Markdown - selling price	7 days Friday Oct. 8		
5	Consumer Credit	5 days Monday Oct. 18		
	MIDTERM - must be written on or before	Wednesday, Oct. 20		
6	Algebraic Terms - four basic operations	7 days Friday Oct. 29		
7	Equations	5 days Friday Nov. 5		
8	Language of Algebra - writing algebraic expressions - writing algebraic equations - word problems	5 days Tuesday Nov. 16		
9	Geometry -perimeter, area and volume	5 days Tuesday Nov. 23		
10	Trigonometry - Pythagorean Theorem - sin, cos, and tan	9 days Monday Dec. 6		
	FINAL EXAM - 3 HOURS	T.B.A. (Dec. 9 – Dec. 18)		

MA0115 Fall 2010 Homework Schedule

1. Fractions and Decimals

1&2 3&4 5&6 7&Study
Sept. 2 3 7 8

Test: Thursday Sept. 9

2. Insurance

1 2 3 4 Review
Sept.10 13 14 15 16

Test: Friday Sept. 17

3. Discounts

1 2 3 4 5 6 Study
Sept.20 21 22 23 24 27 28

Test: Wednesday Sept. 29

4. Markup and Markdown

1&2 3&4 5&6 7 8 Study
Sept.30 Oct.1 4 5 6 7

Test: Friday Oct. 8

5. Consumer Credit

1&2 3&4 5&6 7&Study
Oct.12 13 14 15

Test: Monday Oct. 18

Midterm on Wednesday Oct. 20

6. Algebraic Terms

1&2 3&4 5 6 7 8&Review
Oct.21 22 25 26 27 28

Test: Friday Oct. 29

7. Equations

1 2 3 4&Study
Nov.1 2 3 4

Test: Friday Nov. 5

8. Language of Algebra

1 2 3 Review
Nov.8 9 10 15

Test: Tuesday Nov. 16

9. Geometry

1&2 3 4 Review
Nov.17 18 19 22

Test: Tuesday Nov. 23

10. Trigonometry

1 2 3 4 5 6 7 Review
Nov.24 25 26 29 30 Dec.1 2 3

Test: Monday Dec. 6

Final Exam: (Dec. 9 – 18) to be announced

STUDENT RESPONSIBILITIES:

In addition to the *Student Rights and Responsibilities* as set out in the **College Calendar** (pages 47-50), the following guidelines will maintain an effective learning environment for everyone:

1. 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 daily.
2. Students are expected to be punctual. Arrive on time for classes and remain for the duration of scheduled classes.
3. Refrain from disruptive talking or socializing during class time.
4. Be respectful of others regarding food or beverages in the classroom. Clean up your eating area and dispose of garbage.
5. Recycle paper, bottles and cans in the appropriate containers.
6. Children are not permitted in the classrooms.
7. Students are expected to notify the instructor of any extenuating circumstances.

ELECTRONIC DEVICES:

Students are expected to turn off cell phones during class time or in labs. No unspecified electronic devices will be allowed in exams.

STATEMENT OF PLAGIARISM:

Please refer to pages 48-49 of the College Calendar regarding plagiarism, cheating, and the resultant penalties. These are serious issues and will be dealt with severely.