DEPARTMENT OF ACADEMIC UPGRADING

COURSE OUTLINE – WINTER 2011

INTRODUCTION TO MATH 0090

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:
MA0080, or equivalent math placement test score

REQUIRED TEXT/RESOURCE MATERIALS:
Package of MA0090 modules, Updated 2005
Scientific calculator, graph paper

CALENDAR 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.

CREDIT/CONTACT HOURS:
MA 0090 Basic Mathematics III 5 (5-0-0)
Time: 75 Hours

DELIVERY MODE:

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 the 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 four modules, must be written by **Tuesday, February 15.** 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, April 12.**

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.

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:

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

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**

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Objectives / Tests / Exams

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 Friday January 14		
2	Integers -four basic operations, exponents -order of operations	9 days Thursday January 27		
3	Introduction to Algebra -basic algebraic concepts -evaluating expressions	5 days Thursday February 3		
4	Equations -solving simple linear equations	6 days Friday February 11		
	MIDTERM must be written on or before	**Tuesday February 15**		
5	Percent -changing percent to decimals & fractions -changing decimals and fractions to percent -the percent proportion	8 days Friday March 4		
6	Language of Geometry -plane geometry & metric review	7 days Tuesday March 15		
7	Dimensional Geometry -perimeter, area, volume, and surface area	8 days Friday March 25		
8	Intro to Graphing	4 days Thursday March 31		
9	Statistics -organize data, graphs -measures of central tendency	8 days Tuesday April 12		
	FINAL EXAM - 3 HOURS	**TBA (April 14-27)**		

In Math 0090, a calculator <u>WILL NOT BE USED</u> until after the midterm

MA0090 WINTER 2011
Homework Schedule

1. Basic Arithmetic

1&2	3&4	5&6	6&7	8	9&10	Review	**Test: Friday Jan. 14**
Jan.5	**6**	**7**	**10**	**11**	**12**	**13**	

2. Integers

1	2	3	4	5&6	7	8	Review	**Test: Thursday Jan. 27**
Jan.17	**18**	**19**	**20**	**21**	**24**	**25**	**26**	

3. Introduction to Algebra

1&2	3	4	Review	**Test: Thursday Feb. 3**
Jan.28	**31**	**Feb.1**	**2**	

4. Equations

1&2	3	4	5	Review	**Test: Friday Feb. 11**
Feb.4	**7**	**8**	**9**	**10**	

Midterm Exam on Tuesday, February 15

5. Percent

1-3	4&5	6&7	8	9	10	Review	**Test: Friday Mar. 4**
Feb.16	**17**	**18**	**28**	**Mar.1**	**2**	**3**	

6. Language of Geometry

1	2	3	4&5	6	Review	**Test: Tuesday Mar. 15**
Mar.7	**8**	**9**	**10**	**11**	**14**	

7. Dimensional Geometry

1	2	3	4	5	6	Review	**Test: Fri. Mar. 25**
Mar.16	**17**	**18**	**21**	**22**	**23**	**24**	

8. Introduction to Graphing

1&2	3&4	Review	**Test: Thur. Mar. 31**
Mar.28	**29**	**30**	

9. Statistics

1&2	3&4	5&6	7	8	9	Review	**Test: Tues. Apr. 12**
Apr.1	**4**	**5**	**6**	**7**	**8**	**11**	

Final exam to be announced (April 14-27)

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 ON 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.