DEPARTMENT OF ACADEMIC UPGRADING

COURSE OUTLINE – WINTER 2011

INTRODUCTION TO MATH 0080 (No Wednesday Class)

INSTRUCTOR: Sukhvir Sandhu **PHONE:** (780) 539-2810 or 2234

OFFICE: Math Lab A210 **E-MAIL:** ssandhu@gprc.ab.ca

OFFICE HOURS: Daily 10:30 – 11:30 am

PREREQUISITE(S)/COREQUISITE:
MA0060 or equivalent math placement test score

REQUIRED TEXT/RESOURCE MATERIALS:
Package of MA0080 modules, 2005
Scientific calculator only permitted for area and volume module; graph paper;

CALENDAR DESCRIPTION:
This course is a modularized program of study which covers whole numbers, decimals, fractions, metric measurement, ratio, proportion, introductory geometry, introductory statistics, and problem solving.

CREDIT/CONTACT HOURS:
MA 0080 Basic Mathematics II 5 (5-0-0)
Time: 75 Hours

DELIVERY MODE:

MA0080 is a modularized math course. It is divided into 8 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 five modules, must be written by **Monday, Feb. 28th. I**f 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:

8 module tests	48%
Midterm	17%
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**

Objectives / Tests / Examinations

Module	Objectives / Topics	Recommended Time & Test Date	Date written	Your mark
1	Whole Numbers - reading and writing, rounding - four basic operations, order of operations - exponents, square roots and word problems	6 days January 14 Friday		
2	Decimals - reading, writing and rounding - four basic operations, order of operations	6 days January 25 Tuesday		
3	Introduction to Fractions - converting improper fractions to mixed fractions - comparing and ordering fractions	6 days February 4 Friday		
4	Operation with Fractions - four basic operations, complex fractions - word problems	7 days February 17 Thursday		
	MIDTERM - must write on or before this date	**Monday February 28**		
5	Measurement - linear measurement, mass and volume - converting within metric system - time and temperature	6 days March 10 Thursday		
6	Geometry - perimeter, area and volume	7 days March 22 Tuesday		
7	Ratio and Proportion - simplifying and reducing ratios - rates and proportions - similar figures	7 days April 4 Monday		
8	Statistics - measures of central tendency - GPA, tables - Bar, line, and circle graphs, pictographs	4 days April 11 Monday		
	FINAL EXAM – 3 HOURS	**TBA (April 14 – 27)**		

Homework Schedule (No Wednesday Class)

1. Whole Numbers

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

2. Decimals

1	2&3	4	5	6	Review	**Test: Tuesday, Jan. 25**
Jan. 14	**17**	**18**	**20**	**21**	**24**	

3. Introduction to Fractions

1	2-4	5&6	7&8	9&10	Review	**Test: Friday, Feb. 4**
Jan. 25	**27**	**28**	**31**	**Feb. 1**	**3**	

4. Operations of Fractions

1&2	3	4&5	6&7	8	9	**Review**	**Test: Thursday, Feb. 17**
Feb. 4	**7**	**8**	**10**	**11**	**14**	**15**	

Midterm Exam on Monday, Feb. 28

5. Measurement

1	2&3	4&5	6&7	8	Review	**Test: Thursday, Mar. 10**
Feb. 28	**Mar. 1**	**3**	**4**	**7**	**8**	

6. Geometry

1	2&3	4&5	6&7	8&9	10&11	Review	**Test: Tuesday, Mar. 22**
Mar. 10	**11**	**14**	**15**	**17**	**18**	**21**	

7. Ratio and Proportion

1-3	4	5-7	8	9&10	11	Review	**Test: Monday, Apr. 4**
Mar. 22	**24**	**25**	**28**	**29**	**31**	**Apr. 1**	

8. Statistics

1	2&3	4	5&Review	**Test: Monday, Apr. 11**
Apr. 4	**5**	**7**	**8**	

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.