



**DEPARTMENT OF ACADEMIC UPGRADING**

**COURSE OUTLINE – FALL 2010**

**INTRODUCTION TO MATH 0080 (No Friday Class)**

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

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

**OFFICE HOURS:** Tuesday & Thursday 10:00- 11:20; Daily 2:00 -2:30 pm

**PREREQUISITE(S)/COREQUISITE:**

MA0060 or equivalent math placement test score

**REQUIRED TEXT/RESOURCE MATERIALS:**

Package of MA0080 modules, 2005

graph paper

**CALENDAR DESCRIPTION:**

This course is an individualized 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 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 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 **Thursday, October 21**. 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 Monday, 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.

## 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%

<b>GRANDE PRAIRIE REGIONAL COLLEGE</b>			
<b>GRADING CONVERSION CHART</b>			
<b>Alpha Grade</b>	<b>4-point Equivalent</b>	<b>Percentage Guidelines</b>	<b>Designation</b>
<b>A<sup>+</sup></b>	<b>4.0</b>	<b>90 – 100</b>	<b>EXCELLENT</b>
<b>A</b>	<b>4.0</b>	<b>85 – 89</b>	
<b>A<sup>-</sup></b>	<b>3.7</b>	<b>80 – 84</b>	<b>FIRST CLASS STANDING</b>
<b>B<sup>+</sup></b>	<b>3.3</b>	<b>77 – 79</b>	
<b>B</b>	<b>3.0</b>	<b>73 – 76</b>	<b>GOOD</b>
<b>B<sup>-</sup></b>	<b>2.7</b>	<b>70 – 72</b>	
<b>C<sup>+</sup></b>	<b>2.3</b>	<b>67 – 69</b>	<b>SATISFACTORY</b>
<b>C</b>	<b>2.0</b>	<b>63 – 66</b>	
<b>C<sup>-</sup></b>	<b>1.7</b>	<b>60 – 62</b>	
<b>D<sup>+</sup></b>	<b>1.3</b>	<b>55 – 59</b>	<b>MINIMAL PASS</b>
<b>D</b>	<b>1.0</b>	<b>50 – 54</b>	
<b>F</b>	<b>0.0</b>	<b>0 – 49</b>	<b>FAIL</b>
<b>WF</b>	<b>0.0</b>	<b>0</b>	<b>FAIL, withdrawal after the deadline</b>

## Objectives / Tests / Examinations

Module	Objectives / Topics	Recommended Time & Test Date	Date written	Your mark
1	Whole Numbers <ul style="list-style-type: none"> <li>- reading and writing, rounding</li> <li>- four basic operations, order of operations</li> <li>- exponents, square roots and word problems</li> </ul>	6 days September 14 Tuesday		
2	Decimals <ul style="list-style-type: none"> <li>- reading, writing and rounding</li> <li>- four basic operations, order of operations</li> </ul>	6 days September 23 Thursday		
3	Introduction to Fractions <ul style="list-style-type: none"> <li>- converting improper fractions to mixed fractions</li> <li>- comparing and ordering fractions</li> </ul>	5days October 4 Monday		
4	Operation with Fractions <ul style="list-style-type: none"> <li>- four basic operations, complex fractions</li> <li>- word problems</li> </ul>	8 days October 19 Tuesday		
<b>Midterm - must write on or before this date</b>		<b>Thursday October 21</b>		
5	Measurement <ul style="list-style-type: none"> <li>- linear measurement, mass and volume</li> <li>- converting within metric system</li> <li>- time and temperature</li> </ul>	6 days October 28 Wednesday		
6	Geometry <ul style="list-style-type: none"> <li>- perimeter, area and volume</li> </ul>	8 days November 12 Thursday		
7	Ratio and Proportion <ul style="list-style-type: none"> <li>- simplifying and reducing ratios</li> <li>- rates and proportions</li> <li>- similar figures</li> </ul>	6 days November 26 Thursday		
8	Statistics <ul style="list-style-type: none"> <li>- measures of central tendency</li> <li>- GPA, tables</li> <li>- Bar, line, and circle graphs, pictographs</li> </ul>	6 days December 7 Friday		
<b>Final Exam</b>		<b>To be announced (Dec. 9 - 18)</b>		

# Homework Schedule

1. Whole Numbers  
1-3      4&5      6&7      8&9      10&Review      **Test: Tuesday Sept. 14**  
**Sept.2      7      8      9      13**
  
2. Decimals  
1      2      3&4      5      6      Review      **Test: Thursday Sept.23**  
**Sept.14      15      16      20      21      22**
  
3. Introduction to Fractions  
1-3      4&5      6&7      8&9      10&Review      **Test: Monday Oct. 4**  
**Sept.23      27      28      29      30**
  
4. Operations of Fractions  
1&2      3      4&5      6&7      8      9      Review      **Test: Tuesday Oct. 19**  
**Oct.5      6      7      12      13      14      18**

## Midterm Exam on Thursday Oct. 21

5. Measurement  
1&2      3&4      5&6      7&8      Review      **Test: Monday Nov. 1**  
**Oct.21      25      26      27      28**
  
6. Geometry  
1&2      3&4      5&6      7      8&9      10&11      Review      **Test: Tuesday Nov. 16**  
**Nov.2      3      4      8      9      10      15**
  
7. Ratio and Proportion  
1-3      4      5-7      8      9&10      11      Review      **Test: Monday Nov. 29**  
**Nov.16      17      18      22      23      24      25**
  
8. Statistics  
1      2&3      4      5      Review      **Test: Monday Dec. 7**  
**Nov.29      30      Dec.1      2      6**

**Final exam to be announced (December 9-18)**

## **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.