



# Grande Prairie Regional College

Department: Academic Upgrading

## COURSE OUTLINE—WINTER 2009

### INTRODUCTION TO MATH 0080

Instructor's name: \_\_\_\_\_ Phone number: \_\_\_\_\_

Instructor's office: \_\_\_\_\_ Email: \_\_\_\_\_

#### **Calendar Description:**

MA0080 Basic Mathematics II 5 (5-0-0) Time: 75 Hours

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.

Prerequisite: [MA0060](#) or equivalent math placement test score

#### **Resource requirements:**

Package of MA0080 modules, Updated 2005

#### **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 15 classes may be debarred from writing the final exam.**

#### **Course Delivery and Evaluation:**

This course 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 five modules, must be written by **Monday, February 23**. 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 Tuesday April 14, 2009.**

**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.

Final grades are given as follows:

|                |     |
|----------------|-----|
| 8 module tests | 48% |
| Midterm        | 17% |
| Final Exam     | 35% |

| <b>Alpha Grade</b> | <b>4-Point Equivalent</b> | <b>Percentage Guidelines</b> | <b>Designation</b>   |
|--------------------|---------------------------|------------------------------|----------------------|
| 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                       | <i>Fail</i>          |

**MA0080 Winter 2009**

| Module | DESCRIPTION   | Recommended Time & Test Date             | Date written | Your mark |
|--------|---|--|--------------|-----------|
| 1      | Whole Numbers<br>- reading and writing, rounding<br>- four basic operations, order of operations<br>- exponents, square roots and word problems | 7 days<br>January 14<br><b>Wednesday</b> |              |           |
| 2      | Decimals<br>- reading, writing and rounding<br>- four basic operations, order of operations   | 8 days<br>January 26<br><b>Monday</b>    |              |           |
| 3      | Introduction to Fractions   | 6 days<br>February 03<br><b>Tuesday</b>  |              |           |
| 4      | Operation with Fractions<br>- four basic operations, complex fractions<br>- word problems   | 8 days<br>February 13<br><b>Friday</b>   |              |           |
|        | <b>Midterm - must write on or before this date</b>  | <b>Monday<br/>February 23</b>            |              |           |
| 5      | Measurement<br>- linear measurement, mass and volume<br>- converting within metric system<br>- time and temperature                             | 6 days<br>March 03<br><b>Tuesday</b>     |              |           |
| 6      | Geometry<br>- perimeter, area and volume  | 13 days<br>March 20<br><b>Friday</b>     |              |           |
| 7      | Ratio and Proportion<br>- simplifying and reducing ratios<br>- rates and proportions<br>- similar figures                                       | 10 days<br>April 03<br><b>Friday</b>     |              |           |
| 8      | Statistics<br>- measures of central tendency<br>- GPA, tables<br>- Bar, line, and circle graphs, pictographs                                    | 6 days<br>April 14<br><b>Tuesday</b>     |              |           |
|        | Final Exam  | <b>To be announced<br/>(April 16-27)</b> |              |           |

## **AUD STUDENT CLASSROOM DEPARTMENT GUIDELINES DRAFT May 2008**

The Academic Upgrading Department is an adult education environment. Students are expected to show respect for each other as well as faculty and staff. They are expected to participate fully in achieving their educational goals in a timely manner.

Certain activities are disruptive and not conducive to an atmosphere of learning. In addition to the *Student Rights and Responsibilities* as set out in the College calendar, the following guidelines will maintain an effective learning environment for everyone. We ask the cooperation of all students in the following areas of classroom department.

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

### **Electronic Devices**

No unspecified electronic devices will be allowed in exams.

### **Success Standard**

Although 50% is considered a pass in most courses, if you wish to be successful at the next level, we strongly recommend that you have a mark of 60% or better in your pre-requisite courses.

### **Examinations:**

The final exam will be 3 hours long and is scheduled by the registrars' office during April 16 – 27.

### **Statement on Plagiarism:**

The instructor reserves the right to use electronic plagiarism detection services.