



Grande Prairie Regional College
Department: Academic Upgrading

Course Outline — Winter 2009

INTRODUCTION TO MATH 0115

Instructor's name: _____ Phone number: _____

Instructor's office: _____ Email: _____

Calendar Description:

MA0115 Mathematics Grade 10 Equivalent 5 (5-0-0) Time: 75 Hours

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.

Prerequisite: [MA0090](#) or [MA0105](#) or equivalent math placement test score.

Resource requirements:

Scientific calculator

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

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 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 for 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 **Thursday, February 26**. 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 April 14.**

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.

Your final mark is determined by:

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

Final grades are given as follows:

| 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 | 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> |

MA0115 – Winter 2009

| Module | TOPIC/DESCRIPTION | Recommended Time & Test Date | Date written | Your mark |
|--------|--|----------------------------------|--------------|-----------|
| 1 | Fractions and Decimals - review fractions, decimals and percent | 5 days Monday January 12 | | |
| 2 | Insurance | 6 days Tuesday January 20 | | |
| 3 | Discounts - trade discounts, discount series - cash discounts | 8 days Friday January 30 | | |
| 4 | Markup and Markdown - selling price | 7 days Tuesday February 10 | | |
| 5 | Consumer Credit | 5 days Tuesday February 24 | | |
| | MIDTERM - must be written on or before | Thursday February 26 | | |
| 6 | Algebraic Terms - four basic operations | 7 days Monday March 9 | | |
| 7 | Equations | 5 days Monday March 16 | | |
| 8 | Language of Algebra - writing algebraic expressions - writing algebraic equations - word problems | 5 days Monday March 23 | | |
| 9 | Geometry -perimeter, area and volume | 5 days Monday March 30 | | |
| 10 | Trigonometry - Pythagorean Theorem - sin, cos, and tan | 9 days Monday April 13 | | |
| | FINAL EXAM - 3 HOURS | T.B.A. (Apr. 16-27) | | |

MA0115 Winter 2009 Homework Schedule

1. Fractions and Decimals

1&2 3&4 5&6 7&Study
Jan.6 7 8 9

Test: Monday Jan. 12

2. Insurance

1 2 3 4 Review
Jan.13 14 15 16 19

Test: Tuesday Jan. 20

3. Discounts

1 2 3 4 5 6 Study
Jan.21 22 23 26 27 28 29

Test: Friday Jan. 30

4. Markup and Markdown

1&2 3&4 5&6 7 8 Study
Feb.2 3 4 5 6 9

Test: Tuesday Feb. 10

5. Consumer Credit

1&2 3&4 5&6 7&Study
Feb.11 12 13 23

Test: Tuesday Feb. 24

Midterm on Thursday February 26

6. Algebraic Terms

1&2 3&4 5 6 7 8&Review
Feb.27 Mar.2 3 4 5 6

Test: Monday March 9

7. Equations

1 2 3 4&Study
Mar.10 11 12 13

Test: Monday March 16

8. Language of Algebra

1 2 3 Review
Mar.17 18 19 20

Test: Monday March 23

9. Geometry

1&2 3 4 Review
Mar.24 25 26 27

Test: Monday March 30

10. Trigonometry

1 2 3 4 5 6 7 Review
Mar.31 Apr.1 2 3 6 7 8 9

Test: Monday April 13

Final Exam: (Apr. 16 – 27) to be announced

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 – April 27.

Statement on Plagiarism:

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

