



Grande Prairie Regional College
School of Business
Department: Academic Upgrading

COURSE OUTLINE—Fall 2009

INTRODUCTION TO MA0135

Instructor's name: **Sukhvir Sandhu**
Instructor's office: **C310 or Math Lab**

Phone number: **(780) 539-2234/2810**
Email: ssandhu@gprc.ab.ca

Course Description:

MA 0135 Mathematics Grade 12 Equivalent 5 (5-0-0) Time: 75 Hours

Description: The course includes a review of fractions and decimals, measurement, ratio, proportion and percent, operations with polynomials, equations and inequalities, exponents and radicals, factoring, rational expressions, quadratic equations, statistics and probability. Prerequisite: [MA0120](#) or equivalent, or [MA0125](#), 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 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 mark will be averaged.

A 50-minute midterm, which will cover the first five modules, must be written by **Monday, October 19**. 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 December 07, 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.

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>

MATH 0135 - Fall 2009

Module	TOPIC/DESCRIPTION	Recommended Time & Test Date	Date written	Your mark
1	Fractions / Decimals (burgundy) -review of fractions and decimals	4days Wednesday Sept.9		
2	Measurement (orange)	5 days Wednesday Sept. 16		
3	Ratio, Proportion, & Percent (burgundy)	6 days Thursday Sept. 24		
4	Factoring (burgundy) -common factors, trinomials, and difference of squares; solving equations by factoring	7 days Monday Oct. 5		
5	Review (burgundy) -signed numbers, order of operations, fractions, polynomials, equations, inequalities & number line graphs	7 days Thursday Oct. 15		
	MIDTERM - must be written on or before	Monday Oct. 19		
6	Exponents & Radicals (burgundy) - rational exponents, four basic operations on exponents and radicals, solving radical equations	9 days Friday Oct. 30		
7	Rational Expressions (burgundy) -non permissible values, simplifying four basic operations, equations	8 days Thursday Nov. 12		
8	Quadratic Equations (burgundy) -solving by factoring & quadratic formula -nature of roots, applications	7 days Monday Nov. 23		
9	Statistics (yellow)	9 days Friday Dec. 4		
	FINAL EXAM - 3 HOURS	T.B.A. (Dec. 09-18)		

MA0135 Fall of 2009 Home-Work Schedule

- | | |
|---|--------------------------------|
| 1. Fractions / Decimals (burgundy)
1&2 3-6 7,8,&Review
Sept. 3 4 8 | Test: Wednesday Sept.9 |
| 2. Measurement (Orange)
1-4 5-7 8 Review
Sept.10 11 14 15 | Test: Wed. Sept. 16 |
| 3. Ratio, Proportion, & Percent (burgundy)
1-4 5&6 7&8 9&10 11&Review
Sept.17 18 21 22 23 | Test: Thursday Sept. 24 |
| 4. Factoring (burgundy)
1&2 3 4 5 6 Review
Sept.25 28 29 30 Oct. 1 2 | Test: Monday Oct. 5 |
| 5. Review (burgundy)
1 2(1-30) 2(31-50) 3 4 Review
Oct.6 7 8 9 13 14 | Test: Thursday Oct. 15 |
| Midterm Exam on Monday Oct. 19th | |
| 6. Exponents & Radicals (burgundy)
1&2 3&4 5-8 9&10 11&12 13&14 15&16 Review
Oct.20 21 22 23 26 27 28 29 | Test: Friday Oct. 30 |
| 7. Rational Expression (burgundy)
1 2 3 4 5 6 7 & Review
Nov.2 3 4 5 6 9 10 | Test: Thursday Nov. 12 |
| 8. Quadratic Equations (burgundy)
1-3 4 5 6 7 Review
Nov.13 16 17 18 19 20 | Test: Monday Nov. 23 |
| 9. Statistics (Yellow)
1 2 3&4 5 6 7 8 Review
Nov.24 25 26 27 30 Dec.1 2 3 | Test: Friday Dec. 4 |

Final Exam: (Dec.09 – 18) 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 the 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 Registrar's office during Dec. 09 – Dec. 18.

Statement on Plagiarism:

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

