



DEPARTMENT OF ACADEMIC UPGRADING

COURSE OUTLINE – FALL 2011

INTRODUCTION TO MATH 0081

INSTRUCTOR: Alan Iwaskow

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OFFICE: C207

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OFFICE HOURS: 5:45- 6:00pm Tuesday and Thursday in the Math Lab A210

PREREQUISITE(S)/COREQUISITE:

MA0060, or equivalent math placement test score

REQUIRED TEXT/RESOURCE MATERIALS:

Package of MA0081 modules, 2011

Scientific calculator which will be used for module 9 (Dimensional Geometry) only

CALENDAR DESCRIPTION:

This course is a modularized program of study which covers whole numbers, decimals, fractions, integers, introduction to algebra, introduction to equations, metric measurement, dimensional geometry, and problem solving.

CREDIT/CONTACT HOURS:

MA0081 Basic Mathematics II 5 (5-0-0)

Time: 75 Hours

DELIVERY MODE:

MA 0081 is a modularized math course divided into 9 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 final answers. 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 20**. 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 **December 9**.

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:

9 module tests	45%
Midterm	20%
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 / Exams

Module	DESCRIPTION	Recommended Time & Test Date	Date written	Your mark
1	Whole Numbers - reading, writing and rounding - four basic operations, order of operations - exponents and square roots; word problems	Sept. 15 Thursday		
2	Decimals - reading, writing and rounding - four basic operations - order of operations	Sept. 27 Tuesday		
3	Introduction to Fractions - proper, improper, mixed fractions - equivalent fractions; comparing fractions - reducing fractions	Oct. 6 Thursday		
4	Operations with Fractions - four basic operations - complex fractions - word problems	Oct. 18 Tuesday		
	Midterm – must be written on or before	Oct. 20 Thursday		
5	Introduction to Integers - real life positive and negative numbers - four basic operations - exponents, order of operation	Nov. 1 Tuesday		
6	Introduction to Algebra - basic algebraic concepts - writing variable expressions - evaluating expressions	Nov. 8 Tuesday		
7	Introduction to Equations - solving simple linear equations - formulas	Nov. 17 Thursday		
8	Measurement - linear measurement, mass and volume - converting within metric system - time and temperature	Nov. 29 Tuesday		
9	Dimensional Geometry - perimeter, area and volume - Pythagorean Theorem	Dec. 6 Tuesday		
	Final Exam	To be announced (Dec. 12-21)		

MA0081 Fall 2011

	MA0081
Sept 8 Th	M1 Ex 1-6
Sept 13 Tu	M1 Ex 7-10
Sept 15 Th	M1 Rev, Test 1 M2 Ex 1
Sept 20 Tu	M2 Ex 2-4
Sept 22 Th	M2 Ex 5-6, Rev
Sept 27 Tu	M2 Test 2 M3 Ex 1-4
Sept 29 Th	M3 Ex 5-9
Oct 4 Tu	M3 Ex 10, Rev
Oct 6 Th	Test 3 M4 Ex 1-4
Oct 11 Tu	M4 Ex 5-8
Oct 13 Th	M4 Ex 9, Rev
Oct 18 Tu	Test 4 Midterm Review
Oct 20 Th	MIDTERM M5 Ex 1
Oct 25 Tu	M5 Ex 2-5
Oct 27 Th	M5 Ex 6-8
Nov 1 Tu	M5 Rev. Test 5 M6 Ex 1
Nov 3 Th	M6 Ex 2-4
Nov 8 Tu	M6 Rev, Test 6 M7 Ex 1
Nov 10 Th	M7 Ex 2-4
Nov 15 Tu	M7 Ex 5, Rev
Nov 17 Th	Test 7 M8 Ex 1-2
Nov 22 Tu	M8 Ex 3-5
Nov 24 Th	M8 Ex 6-8, Rev
Nov 29 Tu	Test 8 M9 Ex 1-3
Dec 1 Th	M9 Ex 4-6
Dec 6 Tu	M9 Rev, Test 9
Dec 8 Th	Final Review

FINAL EXAMS TO BE ANNOUNCED (December 12-21)

STUDENT RESPONSIBILITIES:

In addition to the ***Student Rights and Responsibilities*** as set out in the college website, 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 OF PLAGIARISM:

Please refer to the College Website for policies regarding plagiarism and cheating as well as the resultant penalties. These are serious issues and will be dealt with severely.