

DEPARTMENT OF ACADEMIC UPGRADING

COURSE OUTLINE – WINTER 2012 INTRODUCTION TO MATH 0081

INSTRUCTOR:	Sukhvir Sandhu	PHONE:	(780) 539-2810 or 2234
OFFICE:	Math Lab A210	E-MAIL:	ssandhu@gprc.ab.ca

OFFICE HOURS: Daily, 10:30 – 11:30 am in the Math Lab or by appointment

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 **Friday, February 17**th. 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 **Thursday, April 12th**.

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	FYCELLENT	
Α	4.0	85 – 89		
A	3.7	80 - 84		
B ⁺	3.3	77 – 79		
В	3.0	73 – 76	6000	
B	2.7	70 – 72	GOOD	
C⁺	2.3	67 – 69		
С	2.0	63 - 66	SATISFACTORY	
C⁻	1.7	60 - 62		
D^{+}	1.3	55 – 59		
D	1.0	50 – 54		
F	0.0	0 – 49	FAIL	
WF	0.0	0	FAIL, withdrawal after the deadline	

MA0081 WINTER 2012 Objectives / Tests / Exams

Module	DESCRIPTION	Recommended Time & Test Date	Date written	Your mark
_	Whole Numbers	7 days		
	 reading, writing and rounding 	Friday		
1	 four basic operations, order of operations 	January 13		
	 exponents and square roots; word problems 			
	Decimals	8 days		
2	 reading, writing and rounding 	Wednesday		
	- four basic operations	January 25		
	- order of operations			
	Introduction to Fractions	6 days		
3	- proper, improper, mixed fractions	Thursday		
	 equivalent fractions; comparing fractions 	February 2		
	 reducing fractions 			
	Operations with Fractions	9 days		
4	- four basic operations	Wednesday		
	- complex fractions	February 15		
	- word problems			
	Midterm – must be written on or before	Friday		
		February 17		
	Introduction to Integers	8 days		
5	 real life positive and negative numbers 	Wednesday		
	- four basic operations	March 7		
	- exponents, order of operation			
	Introduction to Algebra	5 days		
6	- basic algebraic concepts	Wednesday		
	 writing variable expressions evaluating expressions 	March 14		
	Introduction to Equations	6 days		
7	 solving simple linear equations 	Thursday		
	- formulas	March 22		
	Measurement	6 days		
8	- linear measurement, mass and volume	Friday		
	 converting within metric system 	March 30		
	- time and temperature			
	Dimensional Geometry	8 days		
9	- Pythagorean Theorem	April 12		
	Final Exam	To be announced		
		(April 16-26)		

MA0081 WINTER 2012 Homework Schedule

1.	Whole Numbers							
	1-3	48	k5 68	7 8&9	10	Revie	w	Test: Jan. 13
	Jan.5	(59	10	11	12		
2	Decima	lc						
۷.	1	ני ר	2	Λ	F	c	Poviow	Tasti Jan 25
	⊥ Ian 16	2 17	כ 18	4 10	5 20	0 73	2 /	Test. Jan. 25
	Jan.10	17	10	15	20	23	27	
3.	Introdu	Introduction to Fractions						
	1–3	4&	5 6&7	7 8&9	108	&Review	,	Test: Feb. 2
	Jan.26	27	30	31	F	eb.1		
4	Onerati	Operations of Fractions						
	1	יז פווס רויס	2 1	586	7	88.0	Poviow	Tost: Eab 15
	⊥ Feh 3	6	7 8	9	, 10	13	14	Test. Feb. 15
	100.5	U	, 0	5	10	15	14	
			Mi	dterm E	Exam o	on Frida	ay, Februai	'Y 17 th
_								
5.	Introdu	ction to	o Integers		_			
	1	2	3 4	1 5&6	5 7&8	Rev	iew	Test: Mar. 7
	Feb.27	28	29 N	lar.1 2	5	6		
6.	Introdu	ction to	o Algebra					
	1&2	3	4	F	Review			Test: Mar. 14
	Mar.8	9	12	2	13			
7	Introdu	ction to	o Fouation	ns				
	1-7	3	<u>_</u>	5	Review			Test: Mar 22
	Mar.15	16	i 19	20	21	vv		165t. Widi. 22
8.	Measur	ement						
	1&2	38	4 5&6	7&8	Rev	iew		Test: Mar. 30
	Mar.23	2	5 27	28	29)		
9.	Dimensi	onal G	eometry					
	1	2	3	4	5	6	Review	Test: Apr. 12
	Apr.2	3	4	5	9	10	11	

Final exam to be announced (April 16 - 26)

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.