DEPARTMENT OF SCIENCE

COURSE OUTLINE – WINTER 2012
MA 1600 A3
HIGHER ARITHMETIC

INSTRUCTOR:	Dr. Brian Redmond, Ph.D.	**PHONE:**	(780) 539-2093
OFFICE:	J206	**EMAIL:**	bredmond@gprc.ab.ca

OFFICE HOURS: M W F 10:00am – 11:00am

PREREQUISITE: Pure Mathematics 30

REQUIRED TEXT/RESOURCE MATERIALS:

Musser, Burger & Peterson: Mathematics for Elementary Teachers – A Contemporary Approach, 9E, Wiley 2011.

CALENDAR DESCRIPTION:

Problem Solving, Elementary Number Theory, Numeration Systems, Number Systems, Statistics and Elementary Probability Theory are included in this course.

CREDIT/CONTACT HOURS: 3 (3-1-0) UT

DELIVERY MODE(S):

Lecture 1:	13:00-14:20	M	J228
Lecture 2:	11:30-12:50	F	J228
Seminar AS1/AS2:	11:30-12:20	T R	J202

TRANSFERABILITY:

 UA, UC, UL, AU, GMU, other. Consult the Alberta Transfer Guide for more information.**

**Note: Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions. Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability

GRADING CRITERIA:

	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**

EVALUATIONS:

Assignments: 15%   Midterm 1: 25%   Midterm 2: 25%   Final Exam (Cumulative): 35%

STUDENT RESPONSIBILITIES:

Attend all lectures and seminars and check moodle regularly for course updates.

STATEMENT ON PLAGIARISM AND CHEATING:

Refer to the Student Conduct section of the College Admission Guide at

http://www.gprc.ab.ca/programs/calendar/ or the College Policy on Student Misconduct: Plagiarism

and Cheating at www.gprc.ab.ca/about/administration/policies/**

**Note: all Academic and Administrative policies are available on the same page.

COURSE SCHEDULE/TENTATIVE TIMELINE:

Week	Topics	Notes
1. Jan. 2-6	Introduction	First class: Fri. Jan. 6
2. Jan. 9-13	Chapter 1: Problem Solving	
3. Jan. 16-20	Chapter 2: Set Theory	
4. Jan. 23-27	Chapter 3: Whole Numbers	
5. Jan. 30-Feb.3	Chapter 4: Whole Number Computation	
6. Feb. 6-10		**Midterm 1 – Fri. Feb. 10**
7. Feb. 13-17	Chapter 5: Number Theory	
8. Feb. 20-24		**Winter Break**
9. Feb. 27-Mar.2	Chapter 6: Fractions	
10. Mar. 5-9	Chapter 7: Decimals, Ratio, and Percent	Mar. 6 – Last day to withdraw
11. Mar. 12-16		**Midterm 2 – Fri. Mar. 16**
12. Mar. 19-23	Chapter 8: Integers	
13. Mar. 26-30	Chapter 9: Rational Numbers, Real Numbers	
14. Apr. 2-6	Chapter 10: Statistics	Friday, Apr. 6, Good Friday-College Closed
15. Apr.9-13	Chapter 11: Probability	
Apr.16-26		Final Exams