



DEPARTMENT OF SCIENCE
COURSE OUTLINE – FALL 2012
MA 1600 A2
HIGHER ARITHMETIC

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

OFFICE HOURS: M W 10:00 – 11:30am

PREREQUISITE: Pure Mathematics 30

REQUIRED TEXT/RESOURCE MATERIALS:

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

CALENDAR DESCRIPTION:

Elementary Number Theory, Numeration Systems, Number Systems 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	J202
Lecture 2:	11:30-12:50	F	J202
Seminar AS2:	12:00-12:50	T	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. Sept. 3-7	Introduction	First class: Thurs. Sept. 6
2. Sept. 10-14	Chapter 1: Problem Solving	
3. Sept. 17-21	Chapter 2: Set Theory	
4. Sept. 24-28	Chapter 3: Whole Numbers	
5. Oct. 1-5	Chapter 4: Whole Number Computation	
6. Oct. 8-12	Midterm 1 – Fri. Oct. 12	Oct. 8 –Thanksgiving (no classes)
7. Oct. 15-19	Chapter 5: Number Theory	
8. Oct. 22-26	Chapter 6: Fractions	
9. Oct. 29-Nov.2	Chapter 7: Decimals, Ratio, and Percent	Nov. 2 (last day to drop)
10. Nov. 5-9		Nov. 9 Fall Break (no classes)
11. Nov. 12-16	Midterm 2 – Fri. Nov.16	Nov. 12,13 Fall Break (no classes)
12. Nov. 19-23	Chapter 8: Integers	
13. Nov. 26-30	Chapter 9: Rational Numbers, Real Numbers	
14. Dec. 3-7	Chapters 10/11: Statistics &	Dec.7 (Science Open House)
15. Dec. 10-14	Probability	Dec. 11 – last day of classes
Dec. 13-22		Final Exams