Title: Higher Arithmetic

| Schedule: Lecture A2 | M |  | 1:00 pm - 2:20 pm J 226 |
| :---: | :---: | :---: | :---: |
|  |  |  | 11:30 am - 12:50 pm J 226 |
| Seminar AS1 |  | R | 10:00 am - 10:50 am J 201 |

Instructor: Tom McLeister
Office C 204
Phone 539-2989
e-mail: tmcleister@gprc.ab.ca
Textbook: Mathematics For Elementary Teachers, $7^{\text {th }}$ edition, Musser, Burger and Peterson Wiley

Grading: Seminar Assignments 15\%
Quizzes 20\%
Mid-term 25\%
Final Exam 40\%
Quizzes will be held weekly at the beginning of the Monday Lecture period, and seminar assignments will be written weekly during the seminar period.

The mid-term will be held during class on Monday, October 22 (tentative).
The final exam will be held as per Registrar's Schedule to be published in December 2007.
The use of calculators is not permitted in this course.

## Course Description

MA 1600 3(3-1-0) UT 60 Hours

Pre-requisite: Pure Math 30
Transfers:
Athabasca University MATH 2xx(3)
Concordia University College of Alberta MAT 1xx(3)
University of Alberta MATH 160(3) or AUMAT 107(3)
University of Calgary Jr. MATH (3)

Content: Selected topics in chapters 2 to 11 and Topic 2 of the textbook
Ch 2 Sets, whole numbers, numeration, relations and functions
Ch 3 Whole numbers-operations and properties
Ch 4 Whole number computations-algorithms in base ten and others
Ch 5 Number theory-primes, composites, tests for divisibility, gcf, Icm
Ch 6 Fractions
Ch 7 Decimals, ratio, proportion, and percent
Ch 8 Integers
Ch 9 Rational numbers, real numbers, and algebra
Ch 10 Statistics
Ch 11 Probability
Topic 2 Clock Arithmetic (possibly with supplementary material)

