

**GRANDE PRAIRIE REGIONAL COLLEGE**  
**MATH 1600**  
**WINTER 2009**

**Title:** Higher Arithmetic (3-1-0) 3 credits

**Transfer:** UA, UC, AU, AF, CU (from the GPRC Calendar)

**Prerequisite:** Pure Math 30

**Schedule:** Lecture A3 M 1:00-2:30 J202 F 11:30-1:00 J202  
Seminar AS1 T 11:30-12:30 J201  
Seminar AS2 R 11:30-12:30 J204

**Instructor:** Dallas Sawtell  
Office C204  
Phone 539-2989  
e-mail dsawtell@gprc.ab.ca

**Textbooks:** Musser and Burger, Mathematics of Elementary Teachers (any edition)

**Grading:** Worksheets 15%  
Quizzes 20%  
Midterm 26%  
Final Exam 39%

**Worksheets/Seminars:** A worksheet will be given out that must be handed in by the end of the seminar for marking.

**Quizzes:** Quizzes will be held every Monday starting January 19. Quizzes cannot be made up if missed.

**Midterm:** If the midterm is missed with a valid reason, the weight will be put on the final (ie. the final will be worth 65%). A doctor's note will be required. The midterm will be during class on Monday, March 2.

**Final:** Finals are held from April 16 to 27 inclusive (includes evenings and Saturdays). Writing finals early is not permitted.

**Calculators:** Use of calculators is **not** permitted on the quizzes or exams.

**Learning Support Centre:** The learning support centre is located in the library. The contact person is Sherron Hutchings for math. There is an evening tutor and peer tutors.

**Content:**

- Ch 1 Problem Solving Process and Strategies
- 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, LCM
- 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

**Grading Scheme:**

|    |     |              |
|----|-----|--------------|
| A+ | 4.0 | Excellent    |
| A  | 4.0 |              |
| A- | 3.7 |              |
| B+ | 3.3 | Good         |
| B  | 3.0 |              |
| B- | 2.7 |              |
| C+ | 2.3 | Satisfactory |
| C  | 2.0 |              |
| C- | 1.7 |              |
| D  | 1.0 | Minimal Pass |
| F  | 0.0 | Fail         |

**Note:** A grade of D will NOT meet prerequisite requirements for other math courses and may not be accepted by other colleges and universities.

**Plagiarism:** See Calendar