GRANDE PRAIRIE REGIONAL COLLEGE
ACADEMIC UPGRADING DEPARTMENT
ADULT BASIC EDUCATION

COURSE OUTLINE

Course Name:	Math (MA 0060)
Instructor:	LaVern Stangeland Office: C220 Office Hours: 12:00-1:00 p.m. Monday and Wednesday Telephone: 539-2714 (office) 538-1469 (home)
Date:	September 1995 to April 1996
Time:	10:00-10:50 a.m. Monday to Friday
Classroom:	B307
Course Description:	This course is designed for adults who need remedial work in whole number reading, writing, multiplying, dividing, averaging, exponents, square roots, order operations and problem solving.
Pre-requisites:	Math 0030 or by placement determined by the A.B.E. math placement test.
Course Format:	Students individually work through the self-instruction and exercises in each math module, with help as required from the instructor.
Texts:	Math modules are loaned to students.
Supplies:	Lined paper, pencils, erasers, binder.

Module 1a Objectives:

Upon completion of Module 1a students will:

1. Read whole numbers, up to the trillions place.
2. Write whole numbers in words or numerals, up to the trillions place.
3. Properly place commas between the periods in whole numbers.
4. Place whole numbers in the correct order, from smallest to largest, or from largest to smallest.

Module 1b Objectives:

Upon completion of Module 1b students will:

1. Add up to seven whole numbers of up to seven digits each.
2. Solve problems using addition of whole numbers.
3. Define the term sum to largest, or from largest to smallest.

Module 1c Objectives:

Upon completion of Module 1c students will:

1. Subtract whole numbers of up to seven digits each, successfully using borrowing to complete the subtraction when necessary.
2. Solve problems using subtraction of whole numbers.
3. Define the term difference.

Module 1d Objectives:

Upon completion of Module 1d students will:

1. Demonstrate knowledge of the multiplication tables from 1 x 1 through 9 x 9.
2. Multiply whole numbers of up to six digits in length by other whole numbers of up to six digits in length.
3. Solve problems using multiplication of whole numbers.
4. Define the term "product".
5. Define the term "factor".

Module 1e Objectives:

Upon completion of Module 1e students will:

1. Divide whole numbers of up to eight digits in length by whole numbers of up to four digits in length.
2. Solve problems using division of whole numbers.
3. Define the term "quotient".
4. Define the term "divisor".

Module 1f Objectives:

Upon completion of Module 1f students will:

1. Solve problems using more than one whole number calculation, for example using addition, subtraction, multiplication, or division.
2. Average a group of whole numbers.
3. Define the term "exponent".
4. Identify the exponent of a whole number.
5. Define the term "base".
6. Identify the base when a whole number is written in exponential form.
7. Define the term "square root".
8. Find the square root of perfect squares from 1 to 8100.
9. Write whole numbers in expanded form.
10. Express inequalities between two whole numbers using the appropriate symbol of inequality ($<$ or $>$).
11. Demonstrate the correct order of operations when doing.

Evaluation:

When each module is completed and a student is ready to challenge a post-test, a quiz is given on the subject matter learned in the module. Students must achieve a passing mark of 70% on each quiz before continuing on to the next module. The average of the six quizzes is worth 40% of the final grade. The final is worth 60% of the final grade.

Following is a guide to help students through this course.

Module	Start Date	Quiz Date	Final Date
1a Read - Write Numbers	_____	_____	
1b Addition	_____	_____	
1c Subtraction	_____	_____	
1d Multiplication	_____	_____	
1e Division	_____	_____	

NOTE: A student must have a final mark of 70% or better to receive credit in this course.