

## INTRODUCTION TO MATH 0110

This course is divided into 10 separate units called modules. The instructions are given in the modules along with several examples and exercises. Study the instructions and work through the examples before starting the exercise. The answers for the exercises are given at the end of the module. Check your work **often**. **The key to success in working with modules is to ask questions** whenever you have difficulty understanding the instructions, the examples or the exercises. **Do not hesitate to ask for help.**

After each module you must write a post-test. A passing mark of 60% is required on the post-test before continuing on to the next module. Students unable to attain this mark must review the material and rewrite the test to continue. The first and second test mark will be averaged.

All students will be required to write a 50 minute midterm which will cover the first 5 modules. Upon completion of all modules the student will write a three hour final exam.

The recommended test date for each module and the midterm is on the back. **Consult your instructor immediately if you find yourself falling behind schedule.** It may be necessary to reassess your math skills to ensure that you are placed in a course where you can be successful.

Your final mark is determined by:

10 module tests	40%
Midterm	15%
Final Exam	45%

You will find a calculator, with the following functions, helpful in this course:

$EXP$ ,  $\sqrt{x}$ ,  $\sin$ ,  $\cos$ ,  $\tan$ ,  $y^x$ ,  $\pi$

**BONUS**

When you write your midterm and/or final exam on or before the given date, you will receive an additional 5% on each of these scores.

**MATH 0110 - FALL 1998**

MODULE	TOPIC/DESCRIPTION	RECOMMENDED TIME/TEST DATE
1	Number Systems - sets and set notation; operations on number sets	1 week Sept. 9
2	Exponents - laws of exponents; scientific notation	1 week Sept. 16
3	Polynomials - evaluating polynomials; - four basic operations	1½ weeks Sept. 28
4	Equations and Inequalities - solving first degree equations and inequalities; - applications	1½ weeks Oct. 7
5	Trigonometry - Pythagorean Theorem; sin, cos, tan; applications	1 week Oct. 14
	<b>MIDTERM EXAM</b>	<b>Oct. 19</b>
6	Factoring - common factors, trinomials and difference of squares; solving by factoring	1½ weeks Oct. 28
7	Graphing - rectangular co-ordinate system; graphing linear equations and inequalities	1 week Nov. 5
8	Coordinate Geometry - distance between points; midpoints, slope; equations of lines	2 weeks Nov. 19
9	Ratio and Variation - ratios, rates, proportions; direct, inverse, joint and combined variation	1 week Nov. 26
10	Statistics - organize data; graphs; - measures of central tendency	1 week Dec. 4
	<b>FINAL EXAM - 3 HOURS</b>	<b>T.B.A.</b>