

OCT 15 1998

## INTRODUCTION TO MATH 0105

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 your final exam on or before the given dates, you will be awarded an additional 5% on each of these scores.

**MATH 0105 - FALL 1998**

MODULE	TOPIC/DESCRIPTION	RECOMMENDED TIME/TEST DATE
1	Review - order of operations, exponents, square roots - fractions - four basic operations - decimals - four basic operations	1½ weeks Sept. 11
2	Measurement - metric units of length, weight, volume, time and temperature	1 week Sept. 18
3	Signed Numbers - four basic operations - order of operations - sets	1 week Sept. 25
4	Introduction to Algebra - basic algebraic concepts; order of operations; - evaluating expressions	1½ weeks Oct. 7
5	Equations - solving simple linear equations	1½ weeks Oct. 19
	<b>MIDTERM EXAM</b>	<b>Oct. 21</b>
6	Ratio and Proportion - ratio, rate, proportion; applications	1½ weeks Oct. 30
7	Percent - changing fractions and decimals to percent and vice versa; percent proportions; depreciation	1 week Nov. 9
8	Interest - calculating simple interest, rate & time; - compound interest	1 week Nov. 16
9	Payroll and Banking - paychecks, hourly wage; salary; commission; piecework; overtime, deductions; banking records	1 week Nov. 23
10	Geometry - plane geometry	1½ weeks Dec. 3
	<b>FINAL EXAM - 3 HOURS</b>	<b>T.B.A.</b>

★ In Math 0105, a calculator WILL NOT BE USED until after the midterm