W 97
F. Tesar

INTRODUCTION TO MATH 0135

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 test.

You will also be required to write a midterm on a prescribed date after the first 5 modules and a final exam at the end of the course.

You will be allowed to rewrite two tests: one before the midterm and one before the final if you have time. The second mark is the one that will count towards your average.

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, π, %

On the back is the recommended test dates for each module as well as the compulsory date for the midterm.

MATH 0135 - WINTER 1997

MODULE	TOPIC/DESCRIPTION	RECOMMENDED TIME/TEST DATE
1	Review - signed numbers, order of operations, fractions, polynomials, equations, inequalities & number line graphs	1 week Jan 13
2	Exponents & Radicals - rational exponents, four basic operations on exponents and radicals, solving radical equations	1½ weeks Jan 21
3	Factoring	1½ weeks Jan 29
4	Rational Expressions - non permissible values, simplifying, four basic operations, equations	1½ weeks Feb 7
5	Quadratic Equations - solving by factoring & quadratic formula - nature of roots, applications	1 week Feb 14
	MIDTERM EXAM	**Feb 19**
6	Coordinate Geometry	2 weeks Mar 10
7	Trigonometry - special triangles, angles on a coordinate system, ratios, right triangles, Sine & Cosine laws	1½ weeks Mar 19
8	Annuities	1 week Mar 26
9	Statistics	1 week Apr 2
10	Probability	1 week Apr 9
	FINAL EXAM - 3 HOURS	**T.B.A.**