GRANDE PRAIRIE REGIONAL COLLEGE

MATH 0130 B2

COURSE OUTLINE

FALL 1992

INSTRUCTOR:

Sukhvir Sandhu

CLASS TIME:

2:00 p.m. - 2:50 p.m. M, W, F 2:30 p.m. - 3:20 p.m. T, R

OFFICE HOURS:

Room C204

11:00 a.m. - 12:00 p.m.

1:30 p.m. - 2:20 p.m. T, R

Other times by appointment.

OFFICE PHONE:

539-2831

PREREQUISITE:

MA 0120 or MA 0130 placements.

Recommended: at least 5 or 6 in MA 20/MA 0120.

TEXT:

9 Modules which will be supplied by the instructor at no cost to the student one at a time to be returned on test day.

REQUIRED SUPPLIES:

Binder, looseleaf, pencil and pen, scientific calculator,

math set, graph papers.

COURSE GOALS:

This course is designed to provide the students an understanding of polynomials, logarithms, trigonometry, sequence and series, quadratic functions, statistics, permutation and combinations; and probability. This course prepares the student for university transfer mathematics courses. The student will develop problem solving skills and gains an appreciation of the mathematics of modern society.

ATTENDANCE:

Regular attendance is expected from all students and is essential for passing the course. Students who miss classes will find themselves falling behind and failing. Any student missing 20% of scheduled class time or more may not be permitted to write the final exam. Classes will start right on time, so please arrive a few misstance.

time, so please arrive a few minutes early.

TESTS AND ASSIGNMENTS:

There are seven unit tests and four assignments in this course. Module tests will be written on specified dates during classroom time. Any student not attending class on a test date will receive a grade of 0 for that test unless a medical certificate is supplied. College team members must notify the instructor prior to the test date if they are to be away. There will be a mid-term exam after the first three units on October 21. There will be a final exam after finishing the whole course with emphasis on the last half in the 3rd week of December.

Assignments should be handed over on the specified dates.

EVALUATION:

Assignments	12% [3% each]
Tests	28% [4% each unit]
Mid-term exams	20%
Final Exam	40%
TOTAL	100%

GRADING:

9-point Grade	Percentage Equivalence		Designation
9	90 - 100		Excellent
8	80 - 89		
7	72 - 79		
6	65 - 71		Good
5	57 - 64		
4	50 - 56	-	Pass
3	45 - 49	4	Fail
2	26 - 44		N(55%)
1	0 - 25		

- Any student wishing to change their registration for fall courses must do so
 officially before <u>September 11</u>.
- Any student wishing to withdraw from the course must do so officially before November 6 in order to avoid receiving a failing grade.

UNIT 1	TOPIC/DESCRIPTION Polynomial Functions - remainder theorem; factor theorem; factoring, zeros and graphing		
2	Logarithms - exponential functions, - logarithm laws & applications		
3	Trigonometry A and B - circular path; unit circles; graphs; - Amplitude, period, phase shift and vertical translation; solving equations Identities; sum forumulas; sine and consine laws.		
MIDTERM EXAM	1 HOUR OCTOBER 21		
4	Sequence, series and limits arithmetic and geometric series - arithmetic and geometric sequences - infinite series and limits		
5	Quadiatic Relations A and B - circles - parabola, ellipse, hyperbola and quadratic relations and coin sections.		
6	Statistics - Mean and standard deviation of grouped and ungrouped data, - normal distribution - probability of normal distribution.		
7	Permutation and Combination - Probability - Bionomial Theorem.		
FINAL EXAM	3 HOUR T.B.A.		

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ASSIGNMENTS:

1st Assignment from Unit 1 and 2

2nd Assignment from Unit 3

3rd Assignment from Unit 5

4th Assignment from Unit 6