Department of Mathematics & Statistics
Concordia University

MATH 208

Fundamental Mathematics I

Fall 2004

Instructor: _____

Office/Tel No: _____

Office Hours: _____

Course Examiner: Dr. A. Keviczky, Telephone: 848-2424 Ext. 3225
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Text: *Finite Mathematics for Business, Economics, Life Sciences, and Social Sciences,* 10th Edition, by Barnett, Ziegler, & Byleen.

Caution: It is assumed that you have the pre-requisite of MATH 206 or its equivalent. If you do not, please consult with a course advisor.

Math Help Centre: It has been organized to help students in solving problems. The locations are HB 312 (Loyola Campus) and LB 540 (SGW). The schedule will be posted in the Department.

Assignments: Assignments are given every week. They are not to be handed in and are for practice only. Solutions to the assignments are available at the Copy Centre.

Calculators: With y^x and log x functions are required.

Tests: Two 1-hour tests during the course. Missed tests cannot be made up.

Final Exam: There are no exemptions from this three-hour exam.

Final Grade: The final grade will be based on the higher of (a) or (b):

a) The weighted average of two class tests (40%) and of the final examination (60%);
b) The final examination 100%.

Week	Topics		Assignments	
1	**REVIEW**			
	1.3	Linear Functions and Straight Lines	p 49:	58, 62, 70.
	1.4	Quadratic Equations	p 64:	36, 51.
2	2.1	Exponential Functions	p 90:	58, 68.
	2.2	Polynomial and Rational Functions	p 106:	16, 44, 48, 70.
3	2.3	Logarithmic Functions	p 119:	29, 96, 98, 106.
		B.2 AP, GP	p 716:	36, 48, 50.
4	3.1	Simple Interest	p 136:	22, 24, 32, 34.
	3.2	Compound Interest	p 148:	18, 26, 30.
5	3.3	Future Value	p 159:	14, 18, 24, 32.
	3.4	Present Value	p.171:	24, 30, 34.
6	**TEST 1**			
	4.1	Systems of Equations	p 192:	16, 52, 64.
	4.2	Linear Equations/Matrices	p 204:	54, 42, 56, 62.
7	RETURN TEST 1			
	4.3	Gauss-Jordan Elimination	p 216:	32, 40, 44.
	4.4	Matrices: Basic Operations	p 229:	52, 54, 58, 68.
8	4.5	Inverse of a Square Matrix	p 243:	38, 50, 52.
	4.7	Leontief Input-Output	p 262:	28, 30, 32.
9	**TEST II**			
	5.1	Systems of Inequalities		
10	RETURN TEST II			
	5.1	Systems of Inequalities	p 286:	32, 34, 36, 46, 54.
	5.2	Linear Programming	p. 299:	14, 16, 20.
11	6.3	Basic Counting Principles		
	6.4	Permutations & Combinations	p 411:	38, 46, 56, 58.
	7.1	Sample Spaces, Events and Probability	p 434:	18, 22, 48, 50.
12	7.2	Union, Intersection, Complement of Events	p 447:	58, 66.
	7.3	Conditional Probability	p 463:	26, 28, 34, 42.
13	**REVIEW**			