

Math 131- Finite Mathematics
Syllabus - Summer 2014 (Term 133)

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Textbook: Introductory Mathematical Analysis for Business, Economics, and the life and Social Sciences, by Ernest F. Haeussler, Richard S. Paul, and Richard J. Wood, 13th edition.

Week	Date	Sec.	Material	Selected Problems
1	08/6 – 12/6	1.1	Applications of Equations	1,4,12,16,20,25,33,36,43
		1.3	Applications of Inequalities	1,2,4,5,6,7,9,10,11,12
		3.1	Lines (Review)	12,14,32,56,58,64,66,67,69,71,72
		3.2	Applications and Linear Functions	16,17,18,20,24,25,26,31
		3.3	Quadratic Functions (Review)	18,25,26,27,28,29,30,31,33, 34,36,39,40
2	15/6 – 19/6 Monday Quiz 1	3.4	Systems of Linear Equations	10,16,25,26,28,29,34,37,38,39,41
		3.5	Nonlinear Systems	4,6,7,9,10,12,13,14,15,16
		3.6	Applications of Systems of Eqns.	5,7,8,15,16,17,18,19,20,21,25
		7.1	Linear Inequalities in Two Var.	2,4,10,16,18,20,21,22,24,28,29
3	22/6 – 26/6 Monday Quiz 2	7.2	Linear Programming	3,4,6,10,12,13,14,15,16,17,18
		7.3	Multiple Optimum Solutions	1,2,3,4
		6.4	Solving Systems by Reduction	17,23,25,27,28,29,30,31,32
		6.5	Solving Systems by Reduction	4,6,8,10,12,19,21,22,24
4	29/6 – 03/7 Monday Quiz 3	7.4	The Simplex Method	4,5,8,12,14,16,17,18,19
		7.8	The dual (Example 3 excluded)	4,6,9,10,12,13,14,15,17
		5.1	Compound Interest	2,8,10,12,18,19,20,23,24,26
		5.2	Present Value	2,4,6,8,10,11,14,16,17,18,19,21,22,24
5	06/7 – 10/7 Monday Quiz 4	5.3	Interest Compounded Continuously	2,5,6,10,12,14,16,19,20
		5.4	Annuities	14,16,18,22,24,26,28,29,30
		8.1	Basic Counting Principle and Perm.	4,6,8,10,14,20,21,22,23,29,30,31,32,,36,,39,41
6	13/7 – 17/7 Monday Quiz 5	8.2	Combinations. Other Count. Princip.	2,5,10,11,14,15,17,18,23,27,28,30,31,32,33,38
		8.3	Sample Spaces and Events	2,3,6,7,8,9,14,22,26,27,28,29,31
		8.4	Probability	4,10,16,18,19,21,23,24,27,29,31,32
7	03/8 – 07/8 Monday Quiz 6	8.5	Cond. Prob. and Stoc. Proc.	2,9,11,12,14,16,17,23,24,26,36,37,38,39,49,51
		8.6	Independent Event	2,4,7,8,13,14,15,20,23,25,27,28,29,31,32,35,36
		Ramadan Break		
8	10/8 – 12/8	11.1	Freq. Dist. Measures (Suppl. Notes)	1,2,4,9,11,13,15,20,22,23,25,35,36,37,39,43,45
		11.2	Meas. of Variations (Suppl. Notes)	2,5,7,8,10,12,13,24,26,33,36
9		9.1	Discrete Rand. Var. and Exp. Value	3,4,5,6,9,11,12,13,15,16,18,20
		9.2	The Binomial Distribution	4,5,10,12,13,15,16,17,19,20,21,22,23,24,25,26
10		16.2	The Normal Distribution	2,8,9,10,14,16,17,18,19,20,21,22

Grading Policy:

Six Quizzes = 20% / Duration = 20 minutes each

Exam 1 (Essay) = 20% / Duration = 90 minutes / Date: tba

Exam 2 (Essay) = 20% / Duration = 90 minutes / Date: tba

Final Exam (MC)= 40% / Duration = 150 minutes / Date: **Wednesday, August 13th at 07:00 p.m.**

* DN policy will be adopted according to KFUPM regulations (from 9 absences)

* The questions of the quizzes and exams are based on the examples, homework, and the problems of the textbook.

* **No makeup** quiz or exam will be given under any circumstance. If a student misses a quiz or exam for a legitimate reason (e.g., medical emergencies), his final grade will be determined based on the non-missed quizzes and exams.