MA162 Finite mathematics and its applications Spring 1999

Text: S. Farlow and G. Haggard, *Finite Mathematics and its Applications, 2nd edition.* Custom copy for University of Kentucky
MA162 course packet, available at Kennedy's or the University bookstore.

In this course we will learn about linear equations, linear programming and probability. We will consider how these mathematical problems arise in applications. Students will be expected to apply algorithms to solve mathematical problems and to reformulate problems described in words as mathematical problems

Course calendar:

Dates	Monday	Wednesday	Friday
Jan 11–15		2.1, 2.2	
Jan 18–22	*ML King day*	2.3	
Jan 25–29	2.3	2.4	
Feb 1–5	2.5	2.6	
		Last drop without W	
Feb 8–12	Review	Review	Exam
Feb 15–19	3.1	3.2	
	This week, recitation will meet in the computer lab.		
Feb 22–26	3.3	3.4	
Mar 1–5	3.5	3.5	
Mar 8–12	Handout	Handout	Last withdraw
Mar 15–19	*Spring Break*		
Mar 22–26	Review	Review	Exam
Mar 29–Apr 2	5.1	5.2	
Apr 2–9	5.3, 6.1	6.2	
Apr 12–16	6.3	7.3	
Apr 19–23	Review	Review	Exam
Apr 26–30	Review	Review	
May 3– 7	*Finals week*		

Final exam: See the schedule in the Spring 1999 Schedule of classes, p. 134 or at http://www.uky.edu/Registrar/final987.html.

Grading: Your grade will be based on 3 hour exams (300 points), a cumulative final (150 points) and a 100 point instructor grade Students will need an average of 90% to earn an A, 80% to earn D, 70% to earn a C and 60% for a D.
Tests: The test dates are marked on the syllabus. The tests will be based on material from lectures, the assigned sections in the text and the list of suggested problems which appears below.

Suggested problems: Students should work each of the following problems correctly.

Section	Problems
2.2	3, 13, 14, 19, 20, 26, 27, 30, 33, 34, 39
2.3	5, 7, 8, 9, 14, 15, 23, 25, 27, 29
2.4	1, 8, 10–12, 23, 25, 27, 50, 54
2.5	3, 4, 5, 10–15, 22, 23, 31, 32
2.6	1–4, 17, 24, 35–38
3.1	1, 2, 13–14, 25–28
3.2	1, 2, 7–10, 17–20, 26, 30, 34, 36
3.3	1, 2, 3, 5, 7, 8, 9, 12, 15
3.4	6–14, 17, 21, 26, 27, 34
3.5	1–12, 13, 20, 21, 24
3.6	22, 23, 29–35
Handout	all
5.1	9–40
5.2	1–3, 5, 6, 16–19, 23, 24, 34–36
5.3	1–10, 27–29, 47–53, 60, 61, 65, 66
6.1	1–5, 15–17, 21–30
6.2	1–8, 15–18, 31–40, 48, 49, 52, 53
6.3	1–12, 15, 16, 36–39, 52–53
7.3	15–18, 21–31, 33, 34