

**MA 114 (Sec 002) Introduction to Finite Mathematics with Applications  
Summer Session I, 2007**

North Carolina State University

Department of Mathematics

**Schedule**

<b>Day</b>	<b>Date</b>	<b>Topic</b>	<b>Section</b>	<b>WebAssign Due</b>
1	Mon., May 21	Matrix definitions & multiplication	1.1, 1.2	Fri., 5/25
2	Tues., May 22	Solving systems of equations	1.3	Tues., 5/29
3	Wed., May 23	Matrix inverses, Graphing inequalities	1.4 2.1	Tues., 5/29 Tues., 5/29
4	Thurs., May 24	Geometric linear programming	2.2, 2.3	Tues., 5/29
5	Fri., May 25	Catch up and review		
6	Tues., May 29	<b>Test #1</b>		
7	Wed., May 30	Linear programming: standard problems	3.1	Mon., 6/4
8	Thurs., May 31	Linear programming, continued	3.1, 3.2	Mon., 6/4
9	Fri., June 1	Lin. programming: non-standard problems	3.2	Mon., 6/4
10	Mon., June 4	Set notation & operations, Venn diagrams	4.1 - 4.3	Fri., 6/8
11	Tues., June 5	The Multiplication Principle & tree diagrams	4.4	Fri., 6/8
12	Wed., June 6	Permutations & combinations	4.5	Fri., 6/8
13	Thurs., June 7	Catch-up and review		
14	Fri., June 8	<b>Test #2</b>		
15	Mon., June 11	Intro to probability	5.1 – 5.3	Fri., 6/15
16	Tues. June 12	Conditional probability	5.4	Mon., 6/18
17	Wed., June 13	Conditional probability in tree diagrams	5.5	Mon., 6/18
18	Thurs., June 14	Independence, expected value	5.6, 5.7	Mon., 6/18
19	Fri., June 15	Catch-up & review		
20	Mon., June 18	<b>Test #3</b>		
21	Tues., June 19	Transition probability	6.1, 6.2	Fri., 6/22
22	Wed., June 20	Regular Markov chains	6.3	Fri., 6/22
23	Thurs., June 21	Absorbing Markov chains	6.4	Fri., 6/22
24	Fri., June 22	Catch-up and review		
25	Mon., June 25	<b>Final Exam (1:00 – 4:00 a.m.)</b>		