

Math 3333  
Schedule of Topics

<b>Week</b>	<b>Dates</b>	<b>Topics</b>	<b>Sections</b>
1	Jan 13, 15	Systems of Linear Equations	1.1-1.2, 2.1
2	Jan 20, 22	Systems of Eq Cont, Matrix Operations	2.2, 1.3-1.4
3	Jan 27, 29	Special Types of Matrices, Inverses	1.5, 2.3
4	Feb 3, 5	Determinants	3.1-3.3
5	Feb 10, 12	Into to Vector Spaces, Exam 1	4.1
6	Feb 17, 19	Vector Spaces, Subspaces, Span	4.2-4.4
7	Feb 24, 26	Linear Independence, Basis and Dimension	4.5-4.6
8	Mar 3, 5	Basis Cont, Homogeneous Systems, Rank	4.6, 4.7, 4.9
9	Mar 10, 12	Rank Cont, Review, Exam 2	4.9
	Mar 16-20	Spring Break	
10	Mar 24, 26	Inner Products, Gram-Schmidt	5.1, 5.3, 5.4
11	Mar 31, Apr 2	Coordinates, Isomorphisms, Linear Transformations	4.8, 6.1
12	Apr 7, 9	Kernel and Range, Matrix Representations	6.2-6.3
13	Apr 14, 16	Similarity, Exam 3	6.5
14	Apr 21, 23	Eigenvalues, Diagonalization	7.1-7.2
15	Apr 28, Apr 30	Diagonalization of Symmetric Matrices, Review	7.3
	May 4	Final Exam	