

Sheet1

Suggested reading			
	Section of text	Pages	Topics
01/06/14	1.1	2 – 4	Systems of Linear Equations
01/08/14	1.1-1.2	4 – 17	Row operations, RREF
01/10/14	1.2	18-21	More of the same, with free variables
01/13/14	1.2, 1.5	18-21, 44-46	More of the same, with free variables, parametric vector form
01/15/14	1.2-1.3	24-31	Picturing vectors, vector properties, vector equations, vector algebra, linear combinations, span
01/17/14	1.4	34-40	Matrix-vector products, matrix equation, spanning the whole space
01/20/14			MLK Day – No class
01/22/14	1.7, 2,1	55-60, 92-100	Span, linear independence, matrix operations
01/24/14	1.5, 1.8	43-46, 60-68	Solutions to homogeneous and non-homogeneous systems, linear transformations
01/27/14	1.9	70-77	Matrices of linear transformations, one-to-one and onto, geometric linear transformations
01/29/14			Midterm 1 – Photo ID, Large blue book, closed book, no calculator
01/31/14	2.2	102-109	Invertible matrices
02/03/14	2.3	111-114	Characterizing invertible matrices
02/05/14	3.1	164-167	Determinants
02/07/14	3.2	169-174, 180-182	Properties of determinants, area and volume
02/10/14	4.1	190-195	Vector spaces and subspaces
02/12/14	4.2	198-205	Null space, column space, kernel, range
02/14/14	4.3	208-213	Bases (for nul A and col A), linear independence
02/17/14			Presidents' Day – No class
02/19/14	4.3	208-213	Bases (for nul A and col A), linear independence
02/21/14	4.4	216-222	Coordinate systems, change of basis
02/24/14	4.5, 4.6	225-236	Dimension, rank
02/26/14			Midterm 2 – 1.9, 2.2-2.3, 2.8, 3.1-3.2, 4.1-4.4.
02/28/14	5.1, 5.2	266-279	Eigenvalues and eigenvectors
03/03/14	5.3	282-286	Diagonalization

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03/05/14	5.5, 6.1	295-296, 330-334	Complex eigenvalues, inner/dot product, length/norm, orthogonality, orthogonal complements
03/07/14	6.1, 6.2	335-336, 338-344	Dot product in R2 and R3, orthogonal sets
03/10/14	6.5	360-364	Least squares
03/12/14			Review
03/14/14			Review
03/17/14			Final Exam, 8 – 11 am (St. Patrick's Day)