DATE	DUE	SECTION AND TOPIC
M 8.28		1.1-1.2: Course introduction
W 8.30		1.2-1.3: Vector spaces
F 9.1		1.3-1.4: Examples of vector spaces
M 9.4	No class - Labor Day	
W 9.6		2.1-2.2: Matrix vocabulary
F 9.8	Ch. 1: 1-18	2.2-2.3: Matrix operations
M 9.11		3.1: Subspaces
W 9.13	Ch. 2: 1-7	3.2-3.3: Linear independence and dimension
F 9.15		3.4: Affine subspaces of \mathbb{R}^n (lines and planes)
M 9.18		3.5: A more rigorous discussion of linear independence
W 9.20	Ch. 3: 1-9	3.5-3.6: Basis and dimension
F 9.22		3.6: More on basis and dimension
M 9.25		4.1-4.2: Dot product (definition and properties)
W 9.27	Ch. 3: 10-24	4.2-4.3: Dot product and geometry (norm, distance, etc.)
F 9.29		4.4: Orthogonality and projection
M 10.2	EXAM 1	4.4: Orthogonal decomposition theorem
W 10.4		4.5: Gram-Schmidt procedure
F 10.6	Ch. 4: 1-10	4.6: More on projections; Cauchy-Schwarz inequality;
M 10.9		4.7: Normal equations of hyperplanes; review of dot products
W 10.11		5.1: Linear transformations: introduction
F 10.13	Ch. 4: 11-22	5.2: Standard matrices of linear transformations
M 10.16		5.3: How to prove transformations are linear
W 10.18	Ch. 5: 1-15	5.4: Examples of linear transformations
F 10.20		5.5: Kernels and images
M 10.23		5.6: Injectivity, surjectivity, bijectivity
W 10.25		5.7: Fundamental subspaces associated to a matrix
F 10.27	Ch. 5: 16-21	5.8: Invertibility; review of linear transformations
M 10.30		6.1: Systems of linear equations
W 11.1	Ch. 5: 22-36	6.2: Theoretical approach to linear systems
F 11.3	EXAM 2	6.3: Row reduction and echelon forms I
M 11.6		6.3: Row reduction and echelon forms II
W 11.8		6.4: Row reduction and echelon forms III
F 11.10	Ch. 6: 1-5	6.5: Matrix inverses; Gauss-Jordan method
M 11.13		6.5: Review of systems of linear equations
W 11.15	Ch. 6: 6-17	6.6: Least-squares approximations
F 11.17		7.1: Determinants
M 11.20	Ch. 6: 18-26	7.2: Computing determinants
W 11.22		lass - Thanksgiving break
F 11.24	No class - Thanksgiving break	
M 11.27		8.1: Introducing eigenvalues and eigenvectors
W 11.29	Ch. 7: 1-6	8.2: More on eigenvalues and eigenvectors
F 12.1		8.3: Eigentheory of matrices
M 12.4		8.4: Computing eigenvalues and eigenvectors
W 12.6	Ch. 8: 1-11	8.5: Matrix exponentials
F 12.8		Review for Final Exam
M 12.11	Ch. 8: 12-19	
T 12.12	EXAM 3	
R 12.14		AL EXAM: 10-11:40 AM in STR 137