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		E-mail		

1.	This is a basic subject on matrix theory and linear algebra. Emphasis is given to topics that will be useful in other disciplines, including systems of equations, vector spaces, determinants, eigenvalues, similarity, and positive definite matrices --Gilbert Strang

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4.

Introduction to Linear algebra, 3rd edition, -Gilbert Strang

5.

Challenged students who need assistance with course registration should
 stop by my office.

6.			
1	CH1.1-CH2.2	LECTURE	
	Linear combinations, dot products, Solving linear equations		
2	CH2.3-CH2.7	LECTURE	
	Gaussian elimaination, Inverse matrices, LU decomposition		
3	CH3.1-CH3.2	LECTURE	
	Vector spaces, The nullspace of A		
4	CH3.3-CH3.4	LECTURE	
	Rank, the complete solution to Ax=b		
5	CH3.5-CH3.6	LECTURE	
	Basis, Dimension		
6	CH4.1-CH4.2	LECTURE	
	Orthogonality		
7	CH4.3-CH4.4	LECTURE	
	Least squares approximations, Gram-Schmidt		
9	CH5.1-CH5.2	LECTURE	
	Determinants		
10	CH5.3	LECTURE	
	Cramer's rule, Inverses, and volumes		
11	CH6.1-CH6.2	LECTURE	
	Eigenvectors, Diagonalizing a matrix		
12	CH6.3	LECTURE	
	Application to differential equations		
13	CH6.4	LECTURE	
	Symmetric matrices		
14	CH7	LECTURE	
	Linear transformations		
15	CH7	LECTURE	
	Linear transformations		