Day #	Date	Book section	Topic	HW
1	M 8/29	1.1	Introduction and systems of linear equations	
2	W 8/31	1.2	Row reduction and Echelon forms	
3	W 9/7	1.3	Vector equations	HW1
4	M 9/12	1.4-1.5	Matrix equation Ax=b and solution sets	
5	W 9/14	1.6	Applications of linear systems	HW2
6	M 9/19	1.7	Linear independence	
7	W 9/21	1.8-1.9	Linear transformations	HW3
8	W 9/28	2.1-2.2	Matrix operations	
9	Th 9/29	2.3	Invertibility	HW4
10	M 10/3	2.8-2.9	Subspaces, dimension, and rank	
11	W 10/12	3.1-3.2	Determinants	HW5
12	M 10/17	4.1	Vector spaces	
13	W 10/19	4.2-4.3	Bases, linear transformations of vector spaces	HW6
14	M 10/24	4.4-4.6	Coordinates, dimension, change of basis	
15	W 10/26	5.1-5.2	Eigenvectors and eigenvalues, characteristic eqn	HW7
16	M 10/31	5.3	Diagonalization 1	
17	W 11/2	5.4	Diagonalization 2	HW8
18	M 11/7	5.6, 5.9	Discrete dynamical systems, Markov chains	
19	W 11/9	6.1	Inner products, orthogonality	HW9
20	M 11/14	6.2-6.3	Orthogonal projections	
21	W 11/16	6.4	Gram-Schmidt process	HW10
22	M 11/21	6.5-6.6	Least squares method and applications	
23	W 11/23	7.1-7.2	Diagonalization of symmetric matrices	HW11
24	M 11/28	7.4	Singular Value Decomposition	
25	W 11/30	7.4-7.5	Applications of Singular Value Decomposition	HW12
26	M 12/5	8.x-9.x	Convex geometry and linear programming	
27	W 12/7		Review	
28	M 12/12		Review	

M 12/19	FINAL EXAM at GI-305, 11:30am - 1:30pm