

## Tentative Lecture Schedule

Week	Date	Section	Topic
1	May 8	1.1	Linear Systems
	May 10	1.2 1.4	Solutions to Linear Systems Pivots
2	May 15	2.1	Vectors
	May 17	2.2	Matrix-Vector Multiplication
3	May 22	2.2	Matrix-Matrix Multiplication
	May 24	2.3	Span
4	May 29	2.4	Linear Independence
	May 31	2.5	Matrix Transformations
5	Jun 5	2.6	Geometry Transformations
	Jun 7	3.1	Matrix Inverse
6	Jun 12	3.2	Bases
	Jun 14	<b>Test #1</b>	
7	Jun 19	3.4	Determinants
	Jun 21	3.5	Subspaces
8	Jun 26	5.1	LU-Factorization
	Jun 28	4.1	Intro to Eigenvectors and $\mathbb{C}$
9	Jul 3	4.2	Finding Eigenvectors
	Jul 5	4.3	Diagonalization
10	Jul 10	4.4	Dynamical Systems
	Jul 12	6.1	The Dot Product
11	Jul 17		Vector Cross Product
	Jul 19	<b>Test #2</b>	
12	Jul 24	6.2	Orthogonal Complements and Matrix Transpose
	Jul 26	6.3	Orthogonal Bases
13	Jul 31	6.4	The Gram-Schmidt and QR
	Aug 2	6.5	Least-Squares Problems
14	Aug 7		Last Class – Cover any unfinished material or review
Date TBD		<b>Final Exam – Aug 9 to Aug 18</b>	