

Calendar

Date	Tentative Schedule	Notes
3/28	Intro	
3/29	1.1: Intro to Linear Systems	
3/30	1.2: Matrices, Vectors, and Gauss-Jordan Elimination	
3/31	1.3: Matrix Algebra	
4/1	HW: Sections 1.1 - 3	
4/4	2.1: Intro to Linear Transformations and Their Inverses	
4/5	2.2: Linear Transformations in Geometry	
4/6	2.3: Matrix Products	
4/7	2.4: The Inverse of a Linear Transformation	
4/8	HW: Sections 2.1 - 3	
4/11	3.1: Image and Kernel	
4/12	3.2: Subspaces; Bases and LI	
4/13	3.3: The Dimension of a Subspace	
4/14	HW: Sections 2.3 - 4 (unclaimed exercises)	
4/15	Test 1: Chapter 1 & 2	
4/18	3.3: The Dimension of a Subspace	
4/19	3.4: Coordinates	
4/20	3.4: Coordinates	
4/21	5.1: Orthogonal Projections and Bases	2-D project Assigned
4/22	HW: Sections 3.1 - 3	
4/23	No Class	Movie Night: <i>Contact</i> (1997)
4/25	5.1: Orthogonal Projections and Bases	2-D project Due
4/26	5.2: Gram-Schmidt and QR Factorization	
4/27	HW: Section 3.1 - 4	
4/28	Test 2: Chapter 3	
4/29	No Class	Math Conference
5/2	No Class	
5/3	5.2: Gram-Schmidt and QR Factorization	
5/4	5.3: Orthogonal Transformations and Matrices	G-S Projected Assigned
5/5	5.4: Least Squares and Data Fitting	
5/6	HW: Sections 5.1 - 4	
5/9	6.1: Intro to Determinants	G-S Due & 3-D Project Assigned
5/10	6.1: Intro to Determinants	
5/11	6.2: Properties of Determinants	
5/12	6.3: Geometrical Interpretations of the Determinant	
5/13	HW: Sections 5.3 - 6.2	
5/16	7.1: An Introductory Example	
5/17	7.2: Finding the Eigenvalues of a Matrix	3-D Project Due
5/18	7.3: Finding the Eigenvectors of a Matrix	
5/19	HW: Sections 5.1 - 6.3 (unworked exercises)	
5/20	Test 3: Chapter 5 & 6	
5/23	7.3: Finding the Eigenvectors of a Matrix	
5/24	7.4: Diagonalization	

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Date	Tentative Schedule	Notes
5/25	7.4: Diagonalization	
5/26	7.5: Complex Eigenvalues	
5/27	HW: Sections 7.1 - 3	
5/30	No Class	Memorial Day
5/31	7.5: Complex Eigenvalues	
6/1	7.6: Stability	
6/2	7.6: Stability	
6/3	HW: Sections 7.4 - 6	