

Calendar

Date		Tentative Schedule	Notes
4/1	Mon	Intro & 1.1: Intro to Linear Systems	
4/2	Tue	1.2: Matrices, Vectors, and Gauss-Jordan Elimination	
4/3	Wed	1.3: Matrix Algebra	
4/4	Thu	2.1: Intro to Linear Transformations and Their Inverses	
4/5	Fri	HW: Sections 1.1 - 1.3	
4/8	Mon	2.2: Linear Transformations in Geometry	
4/9	Tue	2.2: Linear Transformations in Geometry	
4/10	Wed	2.3: Matrix Products	
4/11	Thu	2.4: The Inverse of a Linear Transformation	
4/12	Fri	HW: Sections 2.1 - 3	
4/15	Mon	2.4: The Inverse of a Linear Transformation	2-D project Assigned
4/16	Tue	3.1: Image and Kernel	
4/17	Wed	3.2: Subspaces; Bases and LI	
4/18	Thu	HW: Sections 2.1 - 2.4	
4/19	Fri	Test 1: Chapter 1 & 2	
4/22	Mon	3.3: The Dimension of a Subspace	
4/23	Tue	3.3: The Dimension of a Subspace	
4/24	Wed	3.4: Coordinates	
4/25	Thu	3.4: Coordinates	
4/26	Fri	HW: Section 3.1 - 3	
4/27	Sat	No Class: Movie Night	Movie and Pizza with Dusty and Charlene
4/29	Mon	4.1: Intro to Linear Spaces	
4/30	Tue	4.2: Linear Transformations and Isomorphisms	
5/1	Wed	4.3: The Matrix of a Linear Transformation	
5/2	Thu	4.3: The Matrix of a Linear Transformation	
5/3	Fri	HW: Section 3.4 - 4.3	2-D project Due
5/6	Mon	5.1: Orthogonal Projections and Bases	G-S Projected Assigned
5/7	Tue	5.2: Gram-Schmidt and QR Factorization	
5/8	Wed	5.2: Gram-Schmidt and QR Factorization	
5/9	Thu	HW: Sections 4.1 - 3	
5/10	Fri	Test 2: Chapters 3 & 4	
5/13	Mon	5.3: Orthogonal Transformations and Matrices	
5/14	Tue	5.4: Least Squares and Data Fitting	
5/15	Wed	6.1: Intro to Determinants	
5/16	Thu	6.2: Properties of Determinants	
5/17	Fri	HW: Sections 5.1 - 5.4	G-S Due & 3-D Project Assigned
5/20	Mon	6.3: Geometrical Interpretations of the Determinant	
5/21	Tue	7.1: An Introductory Example	
5/22	Wed	7.2: Finding the Eigenvalues of a Matrix	
5/23	Thu	7.3: Finding the Eigenvectors of a Matrix	
5/24	Fri	HW: Sections 6.1 - 3	
5/27	Mon	No Class - Memorial Day	
5/28	Tue	7.4: Diagonalization	3-D Project Due
5/29	Wed	7.4: Diagonalization	
5/30	Thu	Test 3: Chapter 5 & 6	
5/31	Fri	No Class - Math Conference	
6/3	Mon	7.5: Complex Eigenvalues	
6/4	Tue	7.5: Complex Eigenvalues	
6/5	Wed	7.6: Stability	
6/6	Thu	7.6: Stability	
6/7	Fri	HW: Sections 7.1 - 6	
6/10	Mon	No Class	
6/11	Tue	Final Exam: 11 - 12:50pm	
6/12	Wed	Graduation at the Showare Center	