

Calendar

Date		Tentative Schedule	Notes
9/24	Mon	Intro & 1.1: Intro to Linear Systems	
9/25	Tue	1.2: Matrices, Vectors, and Gauss-Jordan Elimination	
9/26	Wed	1.3: Matrix Algebra	
9/27	Thu	2.1: Intro to Linear Transformations and Their Inverses	
9/28	Fri	No Class	
10/1	Mon	2.2: Linear Transformations in Geometry	
10/2	Tue	2.3: Matrix Products	
10/3	Wed	2.4: The Inverse of a Linear Transformation	
10/4	Thu	HW: Sections 1.1 - 1.3 & 2.1 - 3	
10/5	Fri	No Class	
10/8	Mon	2.4: The Inverse of a Linear Transformation	2-D project Assigned
10/9	Tue	3.1: Image and Kernel	
10/10	Wed	3.2: Subspaces; Bases and LI	
10/11	Thu	3.3: The Dimension of a Subspace	
10/12	Fri	No Class	
10/15	Mon	3.4: Coordinates	
10/16	Tue	3.4: Coordinates	
10/17	Wed	HW: Sections 2.2 - 3.2	
10/18	Thu	Test 1: Chapter 1 & 2	Cru Dinner
10/19	Fri	No Class	
10/22	Mon	4.1: Intro to Linear Spaces	
10/23	Tue	4.2: Linear Transformations and Isomorphisms	
10/24	Wed	4.3: The Matrix of a Linear Transformation	
10/25	Thu	HW: Section 3.1 - 4	
10/26	Fri	No Class	2-D project Due
10/29	Mon	5.1: Orthogonal Projections and Bases	G-S Projected Assigned
10/30	Tue	5.2: Gram-Schmidt and QR Factorization	
10/31	Wed	HW: Sections 4.1 - 3	
11/1	Thu	Test 2: Chapters 3 & 4	
11/2	Fri	No Class	
11/5	Mon	5.3: Orthogonal Transformations and Matrices	G-S Due & 3-D Project Assigned

Calendar

Date		Tentative Schedule	Notes
11/6	Tue	5.4: Least Squares and Data Fitting	
11/7	Wed	6.1: Intro to Determinants	
11/8	Thu	HW: Sections 5.1 - 5.4	
11/9	Fri	No Class	
11/12	Mon	No Class	Veteren's Day
11/13	Tue	6.2: Properties of Determinants	
11/14	Wed	6.3: Geometrical Interpretations of the Determinant	3-D Project Due
11/15	Thu	7.1: An Introductory Example	
11/16	Fri	No Class	Movie and Pizza Night (Saturday)
11/19	Mon	7.2: Finding the Eigenvalues of a Matrix	
11/20	Tue	HW: Sections 6.1 - 3	
11/21	Wed	Test 3: Chapter 5 & 6	
11/22	Thu	No Class	Thanksgiving Day
11/23	Fri	No Class	
11/26	Mon	7.3: Finding the Eigenvectors of a Matrix	
11/27	Tue	7.4: Diagonalization	
11/28	Wed	7.4: Diagonalization	
11/29	Thu	HW: Sections 7.1 - 3	
11/30	Fri	No Class	
12/3	Mon	7.5: Complex Eigenvalues	
12/4	Tue	7.5: Complex Eigenvalues	
12/5	Wed	HW: Sections 7.4 - 6	
12/6	Thu	7.6: Stability	
12/7	Fri	No Class	
12/10	Mon	Review	
12/11	Tue	No Class	
12/12	Wed	Final Exam	