

Calendar

Date		Tentative Schedule	Notes
1/7	Mon	Intro & 1.1: Intro to Linear Systems	
1/8	Tue	1.2: Matrices, Vectors, and Gauss-Jordan Elimination	
1/9	Wed	1.3: Matrix Algebra	
1/10	Thu	1.3, 2.1: Intro to Linear Transformations and Their Inverses	
1/11	Fri	HW: Sections 1.1 - 1.3	Paper HW due: 1.1, 1.2, 1.3
1/14	Mon	2.1, 2.2: Linear Transformations in Geometry	
1/15	Tue	2.2, 2.3: Matrix Products	
1/16	Wed	2.3, 2.4: The Inverse of a Linear Transformation	
1/17	Thu	Test 1a (No Calculator): Chapter 1, 2.1-3	Paper HW due: 2.1, 2.2, 2.3
1/18	Fri	Test 1b (with Calculators): Chapter 1, 2.1-3	
1/21	Mon	Martin Luther King Jr. Day - No Class	
1/22	Tue	2.4: The Inverse of a Linear Transformation	
1/23	Wed	2.4, 3.1: Image and Kernel	
1/24	Thu	3.1: Image and Kernel	
1/25	Fri	HW: Sections 2.2-3.1	Paper HW due: 2.4, 3.1
1/28	Mon	3.2: Subspaces; Bases and LI (also finish 3.1)	
1/29	Tue	3.2: Subspaces; Bases and LI	
1/30	Wed	3.3: The Dimension of a Subspace	
1/31	Thu	3.4: Coordinates	
2/1	Fri	HW: Section 3.1 - 4	Paper HW due: 3.2, 3.3
2/4	Mon	3.4: Coordinates	
2/5	Tue	3.4, 6.1: Intro to Determinants	
2/6	Wed	6.2: Properties of Determinants	
2/7	Thu	HW: Section 3.1-4, Test 2a (No Calculator): Chapter 3	Paper HW due: 3.4, 6.1, 6.2
2/8	Fri	Test 2b (with Calculators): Chapters 3	
2/11	Mon	7.1: Diagonalization	
2/12	Tue	7.2: Finding the Eigenvalues of a Matrix	
2/13	Wed	7.3: Finding the Eigenvectors of a Matrix	
2/14	Thu	7.4: Dynamical Systems (w/7.1 introductory example)	
2/15	Fri	HW: Sections 7.1 - 3	Paper HW due: 7.1, 7.2, 7.3
2/18	Mon	President's Day - No Class	Movie Night this weekend
2/19	Tue	7.4: Dynamical Systems	
2/20	Wed	7.5: Complex Eigenvalues	
2/21	Thu	7.5: Complex Eigenvalues	
2/22	Fri	HW: Sections 7.4-5, Test 3a (No Calculator): 7.1-3	Paper HW due: 7.4, 7.5
2/25	Mon	7.6: Stability	
2/26	Tue	7.6: Stability	
2/27	Wed	5.1: Orthogonal Projections and Bases	My Birthday on 2/27
2/28	Thu	5.1: Orthogonal Projections and Bases	i Day
3/1	Fri	Test 3 (with Calculators): Chapter 7	Paper HW due: 7.6, 5.1
3/4	Mon	5.2: Gram-Schmidt and QR Factorization	Melissa's Birthday, 3/3
3/5	Tue	5.3: Orthogonal Transformations and Matrices	
3/6	Wed	5.4: Least Squares and Data Fitting	
3/7	Thu	4.1: Intro to Linear Spaces	
3/8	Fri	HW: Sections 5.3-4 and 4.1	Paper HW due: 5.2, 5.3, 5.4, 4.1
3/11	Mon	4.2: Linear Transformations and Isomorphisms	
3/12	Tue	4.3: The Matrix of a Linear Transformation	
3/13	Wed	4.3: The Matrix of a Linear Transformation	Faith's Birthday on 3/13
3/14	Thu	6.3: Geometrical Interpretations of the Determinant	Pi Day
3/15	Fri	HW: Sections 4.1-3 and 6.3	Paper HW due: 4.2, 4.3, 6.3
3/18	Mon	Review	My 19th Anniversary
3/19	Tue	Final Exam: 10 - 11:50am	