

Calendar

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