August
2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	*2*	*3*	*4*	*5*	*6*
7	*8*	*9*	*10*	*11*	*12*	*13*
14	*15*	*16*	*First Day of Class* *17* Matrices and Matrix Addition	*18*	Rotation Matrices and Matrix Multiplication *19* Quiz: Matrices and Matrix Addition	*20*
21	Elementary Row and Column Operations *22* Quiz: Rotation Matrices and Matrix Multiplication	Group Work: Matrix Operations *23*	The Method of Gaussian Elimination in Linear Systems *24* Quiz: Elementary Row and Column Operations	*25*	Invertible Matrices *26* Quiz: the Method of Gaussian Elimination in Linear Systems	*27*
28	Vector Spaces *29* Quiz: Invertible Matrices	Group Work: Gaussian Elimination and Matrix Inversion *30*	Span and Linear Independence *31* Quiz: Vector Spaces			

September
2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	Vector Space Dimension *2* Quiz: Span and Linear Independence	*3*
4	*Labor Day* *5*	Group Work: Vector Spaces, Bases, and Dimension *6*	Matrix Rank *7* Quiz: Vector Space Dimension	*8*	Linear Transformations *9* Quiz: Matrix Rank	*10*
11	Kernels and Images *12* of Linear Transformations Quiz: Linear Transformations	Group Work: Rank *13* & Nullity of Linear Transformations	The Rank-Nullity *14* Theorem Quiz: Postponed	*15*	Composition and *16* Inversion of Linear Transformations Quiz: Kernels and Images of Linear Transformations	*17*
18	Matrices of Linear *19* Transformations Quiz: the Rank-Nullity Theorem	Exam I Review *20*	Exam I Review *21* Quiz: Composition and Inversion of Linear Transformations	*22*	Exam I Review *23* Quiz: Matrices of Linear Transformations	*24*
25	Exam I Review *26*	**Exam I** *27*	Determinants of *28* 3×3 Matrices	*29*	The Adjugate of a *30* Matrix	*1*

October
2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2	Polynomials Associated to Matrices *3* Quiz: Determinants of 3×3 Matrices	Group Work: Determinants *4*	Eigenvalues and Eigenvectors *5* Quiz: the Adjugate of a Matrix	*6*	*Fall Break* *7*	*8*
9	Eigenspaces *10* Quiz: Polynomials Associated to Matrices	Group Work: the Characteristic and Minimal Polynomials *11*	The Spectral Theorem *12* Quiz: Eigenvalues and Eigenvectors	*13*	The Spectral Theorem *14* Quiz: Eigenspaces	*15*
16	Nilpotent Matrices *17*	Group Work: Eigenvalues, Eigenvectors, and Eigenspaces *18*	The Smith Normal Form of a Matrix *19* Quiz: the Spectral Theorem	*20*	The Rational Canonical Form *21* Quiz: Nilpotent Matrices	*22*
23	The Jordan Canonical Form *24* Quiz: the Smith Normal Form	Group Work: Computing the Canonical Forms *25*	Exam II Review *26* Quiz: the Rational Canonical Form	*27*	Exam II Review *28* Quiz: the Jordan Canonical Form	*29*
30	Exam II Review *31*					

November

2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		Exam II *1*	Real n-Space *2*	*3*	The Dot Product *4*	*5*
6	Lines and Planes *7* Quiz: Real Vector Spaces	Group Work: Geometry in Real n-Space *8*	Inner Products *9* Quiz: the Dot Product	*10*	Orthogonal Bases and the Gram-Schmidt Process *11* Quiz: Lines and Planes	*12*
13	Linear Functionals *14* Quiz: Inner Products	Group Work: Inner Products, Orthogonal Bases, and the Gram-Schmidt Process *15*	Exam III Review *16* Quiz: Orthogonal Bases and the Gram-Schmidt Process	*17*	Exam III Review *18* Quiz: Linear Functionals	*19*
20	Exam III Review *21*	**Exam III** *22*	*Thanksgiving Break 23*	*24*	*Thanksgiving Break 25*	*26*
27	Final Exam Review: Matrices and Vector Spaces *28*	Group Work: Final Exam Review *29*	Final Exam Review: Canonical Forms of Matrices *30*			

December
2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	Final Exam 2 Review: Inner Product Spaces	3
4	*Final Exam Week* 5	*Final Exam Week* 6	*Final Exam Week* 7	**Final Exam** 8 1:00 to 4:00 PM	*Final Exam Week* 9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31