For each day, read the listed section before class and be prepared for class discussion and vocab quiz.

Monday	Wednesday	Friday
Jan 18	20	22
Martin Luther King Jr. Day	Logistics	Review of Basic Linear Algebra
	Review Notation	Read Chapters 0,1,2
25	27	29*
More Review Read Chapters 1,2	Partitions and Direct Sums Read Section 3.1-3.3	Homework 1 due Weekly Quiz 1 on Chapters 0,1,2
Feb 1	3 Dot Product on \mathbb{R}^n	5
Determinants of Block Matrices Read 3.4	Properties of Dot Product Read 4.1-4.3	Inner Product Spaces Read 4.4 Weekly Quiz 2 Homework 2
8 +×	10	12 Orthonormal
Norms from Inner Products Read 4.5	More General Norms Read 4.6	Vectors Read 5.1,5.2 Weekly Quiz 3 Homework 3 due
15	17	19
Graham Schmidt Read 5.3	Break Day 1	BIG QUIZ 1 Homework 4 due
22	24	26
Riesz Representation Theorem Read 5.4	Adjoints Read 5.5,5.6	Adjoints and Isometries Read 6.1 Weekly Quiz 4, Homework 5 due
Mar 1	3	5 Weekly Quiz 5 Homework 6
Isometries, Unitary Matricess, Permutations Read 6.2,6.3	Unitary Matrices, QR Factorization Read 6.2,6.3,6.5	Orthogonal complements Read 7.1-7.2
8	10	12
Orthogonal Projection Read 7.3	Invariant Subspaces Read 7.6	Break Day 2
15 Weekly Quiz 6	17	19†
Applications Read 7.4-7.5	Review for Midterm	Review for Midterm Homework 7 due
22 Midterm Week	24	26 Weekly Quiz 7
Eigenvalues and Eigenvectors Read 8.1-8.2 watch video	Eigenvalues and Eigenvectors Read 8.3-8.4	Similarity Read 8.5,8.6 Homework 8 due
29	31	April 2 Weekly Quiz 8
Characteristic Polynomials Read 9.1-9.3	Diagionalization Read 9.4-9.7	Unitary Triangularization Read 10.1-10.2 Homework 9 due
5	7	9 Weekly Quiz 9
Caley-Hamilton Theorem Read 10.3	Applications Read 10.4-10.6	Jordan Canonical Form Read 11.1,11.2 Homework 10 due
12	14	16
Uniqueness of Jordan Form Read 11.3,11.4	Applications Read 11.5,11.6	Applications Read 11.8-11.10
19	21	23
BIG QUIZ 2 Homework 11 due	Normal Matrices Read 12.1,12.2	Positive Semidefinite Matrices
26	28	30 Course evaluations due
Singular Value Decomposition	Review for Final Homework 12 due	FINAL EXAMS START
May 3	5	7
individually scheduled	oral final exams	FINAL EXAMS END

^{*}January 29 withdrawal w/o W deadline + February 8 late add deadline \times February 9 withdrawal from the university deadline †March 19 withdrawal with W deadline Last updated January 19, 2020