Math 70 Class Schedule Fall 2020

Lesson	M/W	Tu/Th	Sections	Topics	Assignment
1	9/9	9/8	1.1 1.2	Linear Systems Row Reduction	Unless otherwise noted, every week there will be computational problems on MyLabMath and conceptual problems on worksheets in Gradescope (more info in the syllabus)
2	9/14	9/10	1.2 1.3	Row Reduction Vector Equations	
3	9/16	9/15	1.3 1.4	Vector Equations Matrix Eq. $A\mathbf{x} = \mathbf{b}$	
4	9/21	9/17	1.5	Solution Sets	
5	9/23	9/22	1.7	Linear Independence	
6	9/28	9/24		Proof techniques	For this class, only worksheet problems
7	9/30	9/29	1.8	Linear Transformations	
8	10/5	10/1	1.9	Matrix of a Linear Transformation	
9	10/7	10/6	2.1 2.2	Matrix Operations Matrix Inverses+review	
TEST 1: 80 minutes between 4:30 p.m. Eastern Time, Thursday, October 8 to 2:45 p.m. Friday, October 9. Covers Lectures 1-8.					
10	10/12	10/8	2.2 2.3	Matrix Inverses Invertible Matrix Properties	
11	10/14	10/13	3.1 3.2	Intro to Determinants Determinant Properties	Unless otherwise noted, every week there will be computational problems on MyLabMath and conceptual problems on worksheets in Gradescope (more info in the syllabus)
12	10/19	10/15	4.1	Vector Spaces Subspaces	
13	10/21	10/20	4.2	Null/Col Spaces Linear Transformations	
14	10/26	10/22	4.3	Linear Independence, Bases	
15	10/28	10/27	4.4	Coordinate Systems	
16	11/2	10/29	4.6	Dimension (Rank)	
17	11/4	11/3		Chapter 4 Review	For this class, only worksheet problems
18	11/9	11/5	5.1	Eigenvectors and Eigenvalues	
TEST 2: 80 minutes between 4:30 p.m. Eastern Time, Thursday, November 5 to 2:45 p.m. Friday, Nov. 6. Covers Lectures 9-17.					
19	11/10	11/12	5.2 5.3	Characteristic Equation Diagonalization	Unless otherwise noted, every week there will be computational problems on MyLabMath and conceptual problems on worksheets in Gradescope (more info in the syllabus)
20	11/16	11/17	5.3	Diagonalization	
21	11/18	11/19	5.4	Eigenvectors and LT's	
22	11/23	11/24		Chapter 5 Review	For this class, only worksheet problems
23	11/30	12/1	6.1 6.2	Inner Product Orthogonal Sets	
24	12/2	12/3	6.2 6.3	Orthogonal Sets Orthogonal Projections	
25	12/7	12/8	6.3 6.4	Orthogonal Projections Gram-Schmidt	
26	12/9	12/10	6.5	Least Squares+review	
FINAL: 120 minutes on December 15 (Eastern Time). Cumulative.					