Class	Day	Section	Title	HW Problems	Mathematica Prob.	Due Date
1	01/17	2.1	Linear Systems of Equations	1-6 all	1, 2	01/22
2	01/19	2.2	Augmented Matrix of a Linear System and Row Operations	1, 4, 5(a, f), 7	5	01/24
3	01/22	2.3	Some Matrix Arithmetic	1-4 all, 5(a, d, f), 6, 11	1, 3, 4	01/29
4	01/24		Some Matrix Arithmetic (cont…)			
5	01/26	3.1	Gauss–Jordan Elimination and *rref*	1-5 all, 8, 10, 13	2, 5	01/31
6	01/29	3.2	Elementary Matrices	1, 2, 3(a,d,e), 5	1, 4	02/02
7	01/31	5.1	Determinants and Inverses from the Adjoint Formula	1-6 all, 7(a,b,c), 8, 12, 13	1, 2, 3, 4, 9	02/07
8	02/02		Determinants and Inverses from the Adjoint Formula (cont…)			
9	02/05	5.2	Finding Determinants by Expanding along...	1-9 all	1-5 all (for a,e), 6, 7	02/09
10	02/07	5.3	Determinants Found by Triangularizing Matrices	1, 2, 6, 7	1,4,5	02/14
11	02/09	5.4	*LU* Factorization	1, 2(a,b,f), 4	1	02/16
12	02/12	5.5	Inverses from *rref*	1(a,b,f), 3, 4, 5	1, 3	02/21
13	02/14	5.6	Cramer's Rule			
14	02/16	6.1	Vectors	1-7 all, 11, 12	1, 2	02/21
15	02/19	6.2	Dot Product	1-4 all, 8, 9, 11, 12, 13, 18	7, 9	02/23
16	02/21	6.3	Cross Product	1-3 all, 6	1	02/26
17	02/23		Lab Day			
18	02/26	6.4	Vector Projection	1-8 all	1	03/02
19	02/28	8.1	Subspaces of R^n	1,3,4,5,6,8		03/09
20	03/02		Subspaces of R^n (cont…)			
21	03/05	8.2	Independent and Dependent Sets of Vectors in R^n	1(a,d,f),2,3(a,d),5,6,7		03/12
22	03/09	8.3	Basis and Dimension for Subspaces of R^n	1-5 all	1-5 all	03/16
23	03/12		Basis and Dimension for Subspaces of R^n (cont)			
24	03/14	8.4	Vector Projection onto a Subspace of R^n	1-4 all, 7,8,18	1(a-c), 4, 5(a-f)	03/28
25	03/16		Lab Day			
26	03/26	8.5	The Gram–Schmidt Orthonormalization Process	3(a,b),4(a,b,c)	6,7	04/04
27	03/28		Lab Day			
28	04/02		No class			
29	04/04	12.1	What Are Eigenvalues and Eigenvectors...	1,2	2	04/11
		12.2	Summary of Definitions and Methods for...			
30	04/06	12.3	Applications of the Diagonalizability of Square Matrices			
31	04/09	12.4	Solving a Square First-Order Linear System of...			
32	04/11		Solving a Square First-Order Linear System of... (cont…)			
33	04/13	11.1	Pseudoinverse to a Nonsquare Matrix and Almost...	2-5 all	2,3	04/18
34	04/16	11.2	Fits and Pseudoinverses		1,2,3,10,11,12	04/23
35	04/18	11.3	Least-Squares Fits and Pseudoinverses			
36	04/20	9.1	Basics about Linear Maps	2, 4, 5, 7, 8	1, 2, 4	04/25
37	04/23	9.2	The Kernel and Image Subspaces of a Linear Map	1-5 all	1, 2	
38	04/25	9.3	Composites of Two Linear Maps and Inverses	1-5 all	1, 2	
39	04/27	9.4	Change of Bases for the Matrix Representation of a Linear Map	1-7 all, 14, 15, 16	1-4 all	
40	04/30					
41	05/02					
42	05/04					
43	05/09		Final Exam 11:00-13:00			