Math	342 S	Sprin	ıg 2015			
				le. The sections, topics, and test days	may change.	<u> </u>
			Section	Topic	Homework problems	Due
Jan	21	W	1.1	Systems of linear equations	1, 7, 13, 15, 19-22, 27	
Jan	23	f	1.2	Row reduction and echelon forms	1, 3, 7-11, 15, 19,23, 27, 29	
Jan	26	m	1.3	Vector equations	1, 5, 7, 9, 11-13, 17, 21, 25, 26	
Jan	28	W	1.4	Matrix equations	1, 7, 11, 13-15, 19, 25, 27, 31	
Jan	30	f	1.5	Solution sets for linear equations	1, 5, 7, 11, 13, 17, 19, 27, 29-31	1.1-1.3
Feb	2	m	1.6	Applications	6, 9, 13	
Feb	4	W	1.7	Linearly independence	1, 7, 19, 23, 27-29, 31, 35	
Feb	6	f	1.8	Linear transformations	1, 3, 7, 9, 15, 17, 19, 25, 31	
Feb	9	m		Review		
Feb	11	W		Test		1.4-1.8
Feb	13	f	2.1	Matrix operations	1, 5, 9, 13, 19, 21, 23, 25, 27	
Feb	16	m		President's Day No Class		
Feb	18	W	2.2	Inverses	1, 7, 11, 13, 17-19, 21, 23, 25, 35	
Feb	20	f	2.3	Characterization of invertible	1, 3, 5, 7, 13, 15-17, 19	
				matrices		
Feb	23	m	2.4	Partitioned matrices	1, 5, 7, 11, 13, 14, 21	
Feb	25	W	2.5	Matrix factorization	1, 5, 7, 11	
Feb	27	f	3.1	Determinants	1, 3, 9, 13, 15, 19, 23, 25-31, 41	2.1-2.4
100	27	1	3.1		1, 5, 7, 15, 15, 17, 25, 25 51, 11	2.1 2.1
Mar	2	m	3.2	Properties of determinants	1, 9, 13, 15, 21, 25, 29, 31, 33	
Mar	4	W	3.2	catch up if needed	1, 3, 13, 13, 21, 23, 23, 31, 33	
Mar	6	f	4.1	Vector spaces/subspaces	1, 3, 5, 9, 11, 21, 23, 27	
112442				, cetter spaces, suespaces	1, 0, 0, 3, 11, 12, 10, 1	
Mar	9	m	4.2	Null/column spaces	1, 3-5, 9, 11, 17-19, 23, 29, 31	
Mar	11	W	4.3	Linearly independent sets and Basis	1, 5, 7, 9, 11, 15, 22, 23, 25, 31	
Mar	13	f	4.4	Coordinate systems	1, 3, 7, 9, 13, 17, 19, 21, 25, 27	2.5-4.2
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Mar	16	m	4.5	Dimensions of vector spaces	1,5, 7, 9, 11, 13, 21, 23	
Mar	18	W	4.6	Rank	1, 5, 7, 11, 13, 19, 21, 25	
Mar	20	f	4.7	Change of basis	1, 5, 7, 9, 13	
Mar	23	m		Review		
Mar	25	W		Test		4.3-4.7
Mar	27	f	5.1	Eigenvalues/vectors	1, 3, 7, 9, 13, 15, 17, 23, 25, 27,	
					31	
Mar	30	m		Spring Break		
Apr	1	W		Spring Break		

Apr	3	f		Easter		
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Apr	6	m		Easter		
Apr	8	W	5.2	Characteristic equations	1, 5, 15, 19	
Apr	10	f	5.3	Diagonalization	1, 3, 7, 11, 17, 23, 27	
Apr	13	m	5.4	Linear Transformations	1, 5, 7, 11, 13, 21	
Apr	15	W	5.5	Complex Eigenvalues	1, 5, 9, 13	
Apr	17	f	6.1	Inner products/orthogonality	1, 3, 7, 11, 13, 15, 23, 25, 27	5.1-5.4
Apr	20	m	6.2	Orthogonal sets	1, 5, 9, 11, 13, 14, 17, 27	
Apr	22	W	6.3	Orthogonal projections	1, 3, 7, 9, 11, 13, 19, 20	
Apr	24	f	6.5	Least Squares	1, 3, 5, 9, 13, 15, 19	
Арг	2 4	1	0.5	Least Squares	1, 3, 3, 9, 13, 13, 19	
Apr	27	m		Review		
Apr	29	W		Test		5.5-6.5
May	1	f	7.1	Diagonalization of symmetric matrices	1, 5, 7, 11, 13, 17, 23, 27, 29	
3.5			7.0		1 2 7 2 12 22 24 27	
May	4	m	7.2	Quadratic forms	1, 3, 5, 9, 13, 23, 24, 27	
May	6	W		Review		
May	8	f		Review		
May	11			Final: 10:30 – 12:30		7.1-7.2
May	12					
May	13					
May	14					