

Math 1502 J
Spring 2006
A. D. Andrew

SHE refers to *Calculus, one and several variables, ninth edition*, by Salas, Hille, and Etgen.
 CC refers to *Linear Algebra From the Beginning*, by Carlen and Carvalho

Monday	Tuesday	Wednesday	Thursday	Friday
9 January Intro. SHE 8.7 Numerical Integration	10	11 SHE 8.8 Differential Equations	12	13 SHE 8.9 Differential Equations
16 HOLIDAY	17	18 SHE 10.5-6. L'Hospital's Rule	19 Tell TA you Computer Project Team members	20 SHE 10.7 Improper Integrals
23 SHE 11.5 Taylor Polynomials	24	25 SHE 11.6 Taylor Polynomials	26	27 SHE 11.1 Infinite Series
30 SHE 11.2 - 11.3 Convergence Tests	31	1 February SHE 11.4 Absolute and Conditional Convergence	2	3 SHE 11.7 Power Series
6 February SHE 11.6 - 7 Power Series	7	8 SHE 11.8 Power Series	9 HOUR TEST 1	10 CC Chap 1: Vector operations and linear transformations
13 CC Chap 1: Vector operations and linear transformations	14	15 CC Chap 1:: Matrix product	16	17 CC Chap 1, SHE 12.4 Dot product, geometry of \mathbf{R}^n
20 SHE 12.5 12.7 Geometry of \mathbf{R}^n	21	22 CC Chap 1: Matrix multiplication revisited	23 COMPUTER PROJECT 1 Due	24 CC Chap 1: Linear transformations on \mathbf{R}^n
27 CC Chap 2: Linear equations	28	1 March CC Chap 2: Systems of linear equations	2	3 DROP DAY CC Chap 2: Row reduction
6 March CC Chap 2 Inverse matrices	7	8 CC Chap 2: The LU factorization	9	10 CC Chap 3: Subspaces and normal equations
13 CC Chap 3: Linear independence, bases	14	15 CC Chap 3: Dimension	16 HOUR TEST 2	17 CC Chap 3: Bases for images of transformations
20 SPRING BREAK	21 SPRING BREAK	22 SPRING BREAK	23 SPRING BREAK	24 SPRING BREAK

27 CC Chap 3: Bases for images of transformations	28	29 CC Chap 3: Orthogonal Projections	30	31 CC Chap 3: Gram-Schmidt process
3 April CC Chap 3: QR, Least squares	4	5 CC Chap 3 Least squares	6	7 CC Chap 4: Determinants and cross product
10 CC Chap 4: Determinants and cross product	11	12 CC Chap 5: Eigenvalues and Eigenvectors	13 COMPUTER PROJECT 2 Due	14 CC Chap 5: Eigenvalues and Eigenvectors
17 CC Chap 5: Difference and differential equations	18	19 CC Chap 5: Difference and differential equations	20 HOUR TEST 3	21 CC Chap 5: Diagonalizing symmetric matrices
24 CC 5.5 Quadratic forms	25	26 REVIEW	27	28 REVIEW
1 May EXAM WEEK	2 EXAM WEEK	3 EXAM WEEK	4 EXAM WEEK	5 EXAM WEEK