

Aug 27	Lay 1.1-1.2: System, Row reduction
29	1.3 Vector Equation
Sept 1	1.4. The matrix equation
3	1.5 Solution sets
5	1.7 Linear independence
Sept 8	1.8-1.9: Linear transformations
10	2.1-2.2: Matrix operations and inverses
12	2.3 More inverses
Sept 15	Leeway
17	2.8 Subspaces
19	2.9 Dimension and rank
22	3.1-2: More Determinants
Sept 23	Exam I
24	3.3 Cramer's Rule
26	4.1-2: Null spaces and column spaces
Sept 29	4.3 Linear independence and Bases
Oct 1	4.4 Coordinates
3	4.5 Dimensions of sub-spaces
Oct 6	4.6-7: Rank and changes of bases
8	5.1-2: eigenvalues and characteristic equations
10	5.3 Diagonal matrices
Oct 13	5.4 Eigenvectors
Oct 14	Exam II
15	5.5 Complex eigenvalues
17	6.1-2: Inner product and orthogonality
Oct 18-26	<i>Fall Break</i>
Oct 27	6.3 Orthogonal projections
29	6.4 The Gram-Schmidt Process
31	<i>Leeway</i>
Nov 3	6.5 The least square method
5	New book (Boyce-DiPrima) 1.1-2: Solutions to Diff Equations
7	1.3 Classifications of equations
Nov 10	2.1-2.2: Integrating factors
12	2.3 Modeling and Leeway
14	2.4 Linear and non-linear equations
Nov 17	2.5 Autonomous equations
Nov 18	Exam III
19	2.6 Exact equations and integral factors
21	3.1-3.2: Diff Equations with constant coefficients
Nov 24	3.3 Wronskian
Nov 26-30	Thanksgiving Holiday
Dec 1	3.4 Complex roots
3	3.5 Repeated roots
5	3.6 Undetermined coefficients
Dec 8	3.7: Variation of parameters
10	3.8-3.9: Vibrations
Dec 17	Final Exam 1:45-3:45 P.M.