

For each day, read the listed section before class and be prepared for a daily quiz and class discussion.

Online homework (if applicable) is due on the date listed.

Monday	Tuesday	Wednesday	Friday
Jan 7 Logistics	8 1.1 Systems of Linear Equations	9 1.1 Systems of Linear Equations	11 1.2 Matrices and Matrix Operations
14 1.2 Matrix Operations	15* 1.3 Inverse of Matrices	16 1.3 Inverse of Matrices WeBWorK 1 due	18 1.4 Special Matrices and Other Properties
21 ML King Day	22 1.5 Determinants	23+ 1.5 Determinants	25 1.6 Further Properties of Determinants
28 <i>Review</i>	29 WeBWorK 2 due CHAPTER 1 TEST	30 2.1 Vector Spaces	Feb 1 2.1 Vector Spaces
4 2.2 Subspaces	5 2.2 Spanning Sets	6 2.3 Linear Independence and Bases WeBWorK 3	8 2.3 Linear Independence and Bases
11 2.4 Dimensions and Nullspaces	12 Assessment Day	13 2.4 Row Spaces and Column Space	15 2.5 Wronskians
18 <i>Review</i>	19 CHAPTER 2 TEST WeBWorK 4 due	20 3.1 Intro to Differential Equations	22 3.2 Separable Differential Equations
25 3.3 Exact Differential Equations	26 3.4 Linear Differential Equations	27 <i>Review</i>	Mar 1 CHAPTER 3 QUIZ WeBWorK 5 due
4 <i>Spring Break</i>	5 <i>Spring Break</i>	6 <i>Spring Break</i>	8 <i>Spring Break</i>
11 4.1 Higher Order Linear Diff Eq	12 4.1 Higher Order Linear Diff Eq	13 4.2 Homog Constant Coef Lin Diff Eq WeBWorK 6	15× 4.2 Homog Constant Coef Lin Diff Eq
18 4.3 Undetermined Coefficients	19 4.3 Undetermined Coefficients	20 4.4 Variation of Parameters WeBWorK 7	22 4.5 Applications
25 <i>Review</i>	26 CHAPTER 4 TEST	27 5.1 Linear Transformations	29 5.1 Linear Transformations
Apr 1 5.2 Algebra of Lin Transf	2 5.2 Algebra of Lin Transf	3 5.3 Matrices for Lin Transf WeBWorK 8	5 5.3 Matrices for Lin Transf
8 5.4 Eigenvalues and Eigenvectors	9 5.4 Eigenvalues and Eigenvectors	10 5.5 Jordan Canonical Form	12 <i>Review</i>
15 WeBWorK 9 due CHAPTER 5 TEST	16 6.1 Systems of Lin Diff Eq	17 6.2 Diagonalizable Case	19 6.2 Diagonalizable Case
22 6.5 Converting Diff Eq to 1st Order Systems	23 6.6 Applications	24 6.6 Applications WeBWorK 11 due	26 Course evaluations Final Exam Review
29 FINAL EXAM Sect 3 10:30am-12:30pm	30	1 FINAL EXAM Section 5 1:00-3:00 pm	3

*January 15 drop deadline + January 24 late add deadline × March 15 course adjustment deadline