

Math 205 Winter 2009 Schedule

<u>Week Starting</u>	<u>Text Sections</u>	<u>Other Activities</u>
Jan 12	1.1: Systems of Linear Equations 1.2: Row Reduction and Echelon Forms 1.3: Vector Equations	
Jan 19	1.4: The Matrix Equation 1.5: Solution Sets of Linear Systems 1.7: Linear Independence	HW 1 due on Fri, Jan 23
Jan 26	1.7: (contd) 1.8: Introduction to Linear Transformations 1.9: The Matrix of a Linear Transformation 2.1: Matrix Operations	HW 2 due on Fri, Jan 30
Feb 2	2.2: The Inverse of a Matrix 2.3: Characterizations of Invertible Matrices 2.8: Subspaces of \mathbb{R}^n	HW 3 due on Fri, Feb 6
Feb 9	2.8: (contd)	Exam I on Fri, Feb 13
Feb 16	Winter Recess	
Feb 23	2.9: Dimension and Rank 3.1: Introduction to Determinants 3.2: Properties of Determinants	HW 4 due on Fri, Feb 27
Mar 2	5.1: Eigenvectors and Eigenvalues 5.2: The Characteristic Equation 5.3: Diagonalization	HW 5 due on Fri, Mar 6
Mar 9	5.4: Eigenvectors and Linear Transformations 6.1: Inner Product, Length, and Orthogonality	HW 6 due on Fri, Mar 13
Mar 16	6.2: Orthogonal Sets	Exam II on Fri, Mar 20
Mar 23	6.3: Orthogonal Projections 6.5: Least-Squares Problems 7.1: Diagonalization of Symmetric Matrices	HW 7 due on Fri, Mar 27
Mar 30	7.2: Quadratic Forms Some topics from chapter 4	HW 8 due on Fri, Apr 3
Apr 6	Chapter 4 (contd)	
Apr 13	Final Exam (Thursday, April 16, 10.30 a.m.-12.30 p.m.)	