

Jan 16, 2012 <i>Lay, Linear Algebra and Its Applications Third Edition</i>	Jan 18, 2012 <i>Linear Equations Echelon Forms Sections 1.1-1.2</i>	Jan 20, 2012 <i>Vector Equations Matrix Equation Sections 1.3-1.4</i>	Jan 23, 2012 <i>Solution Sets Applications Sections 1.5-1.6</i>	Jan 25, 2012 <i>Linear Independence Linear Maps Sections 1.7-1.8</i>	Jan 27, 2012 <i>Matrix of a Linear Map Linear Models Sections 1.9-1.10</i>
Jan 30, 2012 <i>Matrix Operations Matrix Inverse Leontief Models Sections 2.1-2.2</i>	Feb 1, 2012 <i>Characterization of Invertible Matrices Sections 2.3-2.4</i>	Feb 3, 2012 <i>Matrix Factorizations Leontief Model Section 2.5-2.6</i>	Feb 6, 2012 <i>Computer Graphics Subspaces Section 2.7-2.8</i>	Feb 8, 2012 <i>Dimension and Rank Section 2.9</i>	Feb 10, 2012 <i>Review for Exam 1 Sections 1.1-2.9</i>
Feb 13, 2012 <i>Exam 1 Linear Equations Sections 1.1-2.9</i>	Feb 15, 2012 <i>Determinants Sections 3.1-3.2</i>	Feb 17, 2012 <i>Cramer's Rule Section 3.3</i>	Feb 20, 2012 <i>Vector Spaces Null Spaces Sections 4.1-4.2</i>	Feb 22, 2012 <i>Bases Coordinate Systems Sections 4.3-4.4</i>	Feb 24, 2012 <i>Dimension Rank Sections 4.5-4.6</i>
Feb 27, 2012 <i>Change of Basis Difference Equations Sections 4.7-4.8</i>	Feb 29, 2012 <i>Markov Chains Section 4.9</i>	Mar 2, 2012 <i>Review for Exam 2 Sections 3.1-4.9</i>	Mar 5, 2012 <i>Exam 2 Vector Spaces Mid-Semester Sections 3.1-4.9</i>	Mar 7, 2012 <i>Eigenvalues and Eigenvectors Section 5.1</i>	Mar 9, 2012 <i>Eigenvalues and Eigenvectors Section 5.2</i>
Mar 12, 2012 <i>Diagonalization Sections 5.3</i>	Mar 14, 2012 <i>Eigenvectors and Linear Transformations Section 5.4</i>	Mar 16, 2012 <i>Spring Break</i>	Mar 19, 2012 <i>Spring Break</i>	Mar 21, 2012 <i>Spring Break</i>	Mar 23, 2012 <i>Spring Break</i>
Mar 26, 2012 <i>Complex Eigenvalues Sections 5.5-5.6</i>	Mar 28, 2012 <i>Differential Equations Section 5.7</i>	Mar 30, 2012 <i>Iterative Estimates for Eigenvalues Section 5.8</i>	Apr 2, 2012 <i>Inner Products Orthogonality Sections 6.1-6.2</i>	Apr 4, 2012 <i>Projections Sections 6.3</i>	Apr 6, 2012 <i>Gram-Schmidt Section 6.4</i>
Apr 9, 2012 <i>Least Squares Linear Models Sections 6.5-6.6</i>	Apr 11, 2012 <i>Inner Product Spaces Section 6.7</i>	Apr 13, 2012 <i>Applications Section 6.8</i>	Apr 16, 2012 <i>Review for Exam 3 Sections 5.1-6.8</i>	Apr 18, 2012 <i>Exam 3 Eigenvalues and Orthogonality Sections 5.1-6.8</i>	Apr 20, 2012 <i>Diagonalization of Symmetric Matrices Section 7.1</i>
Apr 23, 2012 <i>Quadratic Forms Section 7.2</i>	Apr 25, 2012 <i>Constrained Optimization Section 7.3</i>	Apr 27, 2012 <i>Singular Value Decomposition Section 7.4</i>	Apr 30, 2012 <i>Image Processing Statistics Section 7.5</i>	May 2, 2012 <i>Course Review</i>	Text: <i>Lay, Linear Algebra and Its Applications Third Edition</i>
May 4, 2012 <i>Final Exam 2-4 pm, Friday Sections 1.1-7.5</i>	<i>Math 210 Linear Algebra MWF 11:00-11:50 Parrish, Spring 2012</i>				<i>Grading Scheme:</i> points exams 60 points homework 20 points final exam 20 points total: 100 points