Proposed Course Schedule (subject to change):

Monday	Wednesday	Friday
8/30 Sect. 1.1 Overview of Vectors Vector Addition	9/1 Sect. 1.1/1.2 Overview of Vectors Parallel Vectors, Span, Basis in R^n	9/3 Sect. 1.2 Dot Product, Norm, Angle, Perpendicular Vectors
9/6 Labor Day – no class	9/8 Sect. 1.3 Linear Systems, Matrix Notation Matrix Addition, Scalar Multiplication	9/10 Sect. 1.3 Matrix Multiplication Properties **HW #1 assigned (due 9/15)**
9/13 Sect. 1.4 Linear Systems Solution Set, Augmented System	9/15 Sect. 1.4 Gaussian Elimination **HW #1 due**	9/17 Sect. 1.4 Gauss-Jordan Elimination Elementary Matrices **HW #2 assigned (due 9/22)**
9/20 Sect. 1.5 Inverses	9/22 Sect. 1.5 Inverses & Systems, Elementary Matrices **HW #2 due**	9/24 Sect. 4.2 Calculating Determinants using Cofactor Expansion & Permutation
9/27 Sect. 4.2 Calculating Determinants using Row Reduction/ Properties	9/29 Sect. 4.3 Adjoint of A Cramer's Rule **HW #3 assigned (due 10/4)**	10/1 Sect. 4.1 Applications of Determinants
10/4 Review **HW #3 due**	10/6 **Test #1** **(1.1-1.5, 4.1-4.3)**	10/8 Sect. 5.1 Finding Eigenvalues/Eigenvectors
10/11 Sect. 5.1/5.2 Eigenvalues/Eigenvectors cont. Diagonalizable Matrices	10/13 Sect. 5.2 Diagonalizable Matrices **HW #4 assigned (due 10/20)**	10/15 Sect. 3.1 Vector Spaces **Topics for Extra Credit Due!!**
10/18 Fall Break – no class	10/20 Sect. 1.6/3.2/2.1 Subspaces **HW #4 due**	10/22 Sect. 1.6/3.2/2.1 Subspaces (cont). **HW #5 assigned (due 10/27)**
10/25 Sect. 1.6/3.2/2.1 Linear Independence, Span	10/27 Sect. 1.6/3.2/2.1 Basis **HW #5 due**	10/29 Review
11/1 **Test #2** **(5.1-5.2, (1.6, 2.1, 3.1-3.2) (portion))**	11/3 Sect. 1.6/3.2/2.1/2.2 Row Space, Column Space, Rank	11/5 Sect. 1.6/3.2/2.1/2.2 Row Space, Column Space cont., Rank
11/8 Sect. 1.6/3.2/2.1/2.2 Nullspace, Nullity, Rank Equation **HW #6 assigned (due 11/15)**	11/10 Sect. 3.3 Coordinate Vectors Relative to a Basis	11/12 Sect. 3.3 Change of Basis
11/15 Sect. 2.3/3.4 Definition of Linear Transformation Is a Mapping a Linear Transformation **HW #6 due**	11/17 Sect. 2.3/3.4 Standard Matrices for Linear Transformations in R^n, Composite Transformations **HW #7 assigned (due 11/22)**	11/19 Sect. 2.3/3.4 Kernel, Range, Inverse Linear Transformations
11/22 Sect. 2.3/3.4 Standard Matrices of General Linear Transformations **HW #7 due**	11/24 Sect. 2.3/3.4 Isomorphism **HW #8 assigned (due 12/1)**	11/26 Thanksgiving - No class

11/29 Sect. 2.4 Projections, Rotations, etc. in R^n	12/1 Review **HW #8 due**	12/3 **Test #3** **((1.6, 2.1, 3.2)(portions),2.2, 3.3-3.4)**
12/6 **Extra Credit Presentations**	**12/8** **Extra Credit Presentations**	12/10 Review for Final Exam
12/13 **Final Exam** **3:50-5:50**		