Math 313
Section 002
Fall 2015

Monday	Tuesday	Wednesday	Thursday	Friday
August 24 Introduction 1.1 – Systems of Linear Equations		**August 26** 1.1 – Systems of Linear Equations 1.2 – Row Reduction and Echelon Forms		**August 28** 1.2 – Row Reductions and Echelon Forms 1.3 – Vector Equations
August 31 1.3 – Vector Equations 1.4 – The Matrix Equations A**x**=**b**		**September 2** 1.4 – The Matrix Equations A**x**=**b** 1.5 – Solution Sets of Linear Systems		**September 4** 1.5 – Solution Sets of Linear Systems 1.7 – Linear Independence
September 7 **LABOR DAY** **NO CLASS!**		**September 9** 1.7 – Linear Independence 1.8 – Linear Transformations		**September 11** 1.8 – Linear Transformations 1.9 – The Matrix of a Linear Transformation
September 14 1.9 – The Matrix of a Linear Transformation		**September 16** 1.9 – The Matrix of a Linear Transformation		**September 18** REVIEW
September 21 **EXAM 1**		**September 23** 2.1 – Matrix Operations		**September 25** 2.2 – The Inverse of a Matrix
September 28 2.3 – Characterizations of Invertible Matrices		**September 30** 2.3 – Characterizations of Invertible Matrices 4.1 – Vector Spaces and Subspaces		**October 2** 4.1 – Vector Spaces and Subspaces

Monday	Tuesday	Wednesday	Thursday	Friday
October 5 4.1 – Vector Spaces and Subspaces 4.2 – Null Spaces, Column Spaces, and Linear Transformations		**October 7** 4.2 – Null Spaces, Column Spaces, and Linear Transformations		**October 9** 4.2 – Null Spaces, Column Spaces, and Linear Transformations 4.3 – Linearly Independent Sets; Bases
October 12 4.3 – Linearly Independent Sets; Bases		**October 14** 4.3 – Linearly Independent Sets; Bases		**October 16** REVIEW
October 19 **EXAM 2**		**October 21** 4.4 – Coordinate Systems		**October 23** 4.4 – Coordinate Systems 4.5 – The Dimension of a Vector Space
October 26 4.5 – The Dimension of a Vector Space		**October 28** 4.5 – The Dimension of a Vector Space 4.6 – Rank		**October 30** 4.6 – Rank 3.1 – Introduction to Determinants
November 2 3.1 – Introduction to Determinants 3.2 – Properties of Determinants		**November 4** 3.2 – Properties of Determinants 5.1 – Eigenvectors and Eigenvalues		**November 6** 5.1 – Eigenvectors and Eigenvalues 5.2 – The Characteristic Equations
November 9 5.2 – The Characteristic Equation 5.3 – Diagonalization		**November 11** **VETERANS DAY** **NO CLASS!**		**November 13** 5.3 – Diagonalization
November 16 REVIEW		**November 18** **EXAM 3**		**November 20** 6.1 – Inner Product, Length, and Orthogonality

Monday	Tuesday	Wednesday	Thursday	Friday
November 23 6.1 – Inner Product, Length, and Orthogonality		**November 25** 6.2 – Orthogonal Sets		**November 27** **THANKSGIVING BREAK** **NO CLASS!**
November 30 6.2 – Orthogonal Sets		**December 2** 6.3 – Orthogonal Projections		**December 4** 6.3 – Orthogonal Projections 6.4 – The Gram-Schmidt Process
December 7 REVIEW		**December 9** REVIEW		**December 11** **FINAL EXAM** **1:00-3:00 PM**