Math 140 Weekly Fall Schedule
Textbook: *Mathematics for Business and Social Sciences* by Bollinger/Coffelt

Week 1:
- Introduction to the course
- Section 1.1 – Basic Matrix Operations
- Section 1.2 – Matrix Multiplication

Week 2:
- Section 2.1 – Review of Lines
- Section 2.2 – Modeling with Linear Functions

Week 3:
- **Labor Day Break - Monday**
- Section 2.3 – Systems of Two Equations in Two Unknowns
- Section 2.4 – Setting Up and Solving Systems of Linear Equations

Week 4:
- Section 2.4 – Setting Up and Solving Systems of Linear Equations
- Review
- **Exam 1**

Week 5:
- Section 3.1 – Setting Up Linear Programming Problems
- Section 3.2 – Graphing Systems of Linear Inequalities in Two Variables
- Section 3.3 – Graphical Solution of Linear Programming Problems

Week 6:
- Section 3.3 - Graphical Solution of Linear Programming Problems
- Section 3.4 – Simplex Method
- Section 4.1 – Mathematical Experiments

Week 7:
- Section 4.2 – Basics of Probability
- Section 4.3 – Rules of Probability
- Section 4.4 – Probability Distributions and Expected Value

Week 8:
- **Fall Break – Monday/Tuesday**
- **Exam 2**

Week 9:
- Section 5.1 – Relations and Functions
- Section 5.2 – Polynomial Functions

Week 10:
- Section 5.2 – Polynomial Functions
- Section 5.3 – Rational Functions
- Section 5.4 – Power and Radical Functions

Week 11:
- Section 5.5 – Piecewise-Defined Functions
- Section 5.6 – Exponential Functions

Week 12:
- Section 5.7 – Combining and Transforming Functions
- Section 5.8 – Inverse Functions and Logarithms

Week 13:
- Section 5.8 – Inverse Functions and Logarithms
- Review
- **Exam 3**

Week 14:
- Section 6.1 – Interest and Effective Rates
- **Reading Day and Thanksgiving Break – Wednesday - Friday**

Week 15:
- Section 6.2 – Annuities, Sinking Funds, and Amortization

Week 16: (MWF/MW Classes Only)
- Review