Math 141 - Weekly Schedule
Textbook: *Finite Mathematics*, 11th Edition, by Tan

Note: This is a fall or spring schedule. In summer, this schedule is accelerated by a factor of 3 in order to accommodate a 5-week session.

- Week 1
  - Sections 1.3, 1.4
    Topics covered: linear functions and mathematical models
- Week 2
  - Sections 2.1, 2.2*, 2.3**
    Topics covered: systems of linear equations
    *Demonstrate Gauss Jordan elimination for a small system of linear equations. Students are responsible for pivoting about an element, but not the whole Gauss-Jordan process. Students will use rref to solve systems.
    **Students will use rref to solve all systems in this section.
- Week 3
  - Sections 2.4, 2.5, 3.2
    Topics covered: matrix arithmetic, setting up linear programming problems
- Week 4
  - Review, Exam 1 (1.3 ,1.4, 2.1-2.5, 3.2)
- Week 5
  - Sections 3.1, 3.3
    Topics covered: graphing systems of linear inequalities, solving linear programming problems
- Week 6
  - Sections 6.1, 6.2, 6.3
    Topics covered: sets, counting, multiplication principle
- Week 7
  - Section 6.3, 6.4, 7.1
    Topics covered: multiplication principle, permutations, combinations, experiments, sample spaces, and events
- Week 8
  - Review, Exam 2 (3.1, 3.3, 6.1-6.4, 7.1)
- Week 9
  - Sections 7.2, 7.3, 7.4
    Topics covered: definition and rules of probability, counting techniques in probability
- Week 10
  - Sections 7.5, 7.6
    Topics covered: conditional probability, independence, Bayes' Theorem
- Week 11
  - Sections 8.1, 8.2, 8.3
    Topics covered: distributions of random variables, expected value, variance, standard deviation (Chebychev's optional)
- Week 12
  - 8.4, Review, Exam 3 (7.2-7.6, 8.1-8.4)
    Topics covered: binomial distribution
- Week 13
  - Sections 8.5, 8.6, 5.1
    Topics covered: normal distribution (excluding normal curve approximation of binomial distribution), finance
- Week 14
  - Sections 5.2, 5.3
    Topics covered: finance
- Week 15
  - Review for Final
- Week 16
  - Final Examinations