

## Schedule Math 10120 Spring 2015

01/14 Wed. 6.1: Sets  
01/16 Fri. 6.2: Counting elements of a set with Venn Diagrams, and Inclusion exclusion principle.  
01/19 Mon. 6.3: Basic Counting principles including Multiplication Principle.  
01/21 Wed. 6.4 : Permutations.  
01/23 Fri. 6.5: Combinations.  
01/26 Mon. 6.6: A mixture of counting problems  
01/28 Wed. 6.6/6.7: A mixture of counting problems/Partitions  
01/30 Fri. 6.7: Partitions. **Quiz 1**  
02/02 Mon. catch up  
02/04 Wed. Review for Exam 1  
02/05 Thurs. **Exam 1, 8:00-9:15 a.m.**  
02/06 Fri. 7.1: Introduction to Probability  
02/09 Mon. 7.1/7.2: Probability and equally likely outcomes.  
02/11 Wed. 7.2: Equally likely outcomes.  
02/13 Fri. 7.3: Compound Events, Union, Intersections and Complements.  
02/16 Mon. 7.4: Conditional Probability.  
02/18 Wed. 7.4/7.5: Conditional Probability and Independence. **Quiz 2**  
02/20 Fri. 7.5: Independence.  
02/23 Mon. 7.6: Bayes Theorem.  
02/25 Wed. 8.1: Frequency Distributions.  
02/27 Fri. 8.2: Measures of Central Tendency. **Quiz 3**  
03/02 Mon. 8.3: Measures of dispersion.  
03/04 Wed. Review for Exam 2.  
03/05 Thurs. **Exam 2, 8:00-9:15 a.m.**  
03/06 Fri. Start 8.4: Random Variables and Probability Distributions.  
03/09 Mon. Spring Break  
03/11 Wed. Spring Break  
03/13 Fri. Spring Break  
03/16 Mon. 8.4/8.5 Random Variables/Expected Value.  
03/18 Wed. 8.5: Expected value of a random variable.  
03/20 Fri. 8.6: Bernoulli Experiments and Binomial Distribution.  
03/23 Mon. 8.7: Normal Distribution. **Quiz 4**  
03/25 Wed. 8.7: Normal Distribution.  
03/27 Fri. 3.1: Linear Inequalities in two variables.  
03/30 Mon. 3.2: Solutions of systems of linear inequalities.  
04/01 Wed. 3.3: Linear Programming. **Quiz 5**  
04/03 Fri. Easter Break  
04/06 Mon. Easter Break  
04/08 Wed. 3.3: Linear Programming.  
04/10 Fri. Supplementary Notes: Matrices.  
04/13 Mon. Start 9.1: Two person Games.

04/15 Wed. Review for Exam 3.  
04/16 Thurs. **Exam 3, 8:00 - 9:15 a.m.**  
04/17 Fri. 9.1: Two Person Games.  
04/20 Mon. 9.2 and supplementary notes: Mixed strategy games and expected pay-off.  
04/22 Wed. 9.2 and supplementary notes: Optimal Mixed Strategy.  
04/24 Fri. 9.2 and supplementary notes: Optimal Mixed Strategy.  
04/27 Mon. 9.2 and supplementary notes: Optimal Mixed Strategy. **Quiz 6**  
04/29 Wed. Review for Final  
  
05/07 Thur. **Final Exam, 1:45-3:45 p.m.**