# Schedule    Math 10120    Spring 2020

**Note exams and in-class quizzes in boldface!**

| Date | Day | Sect. | Topic | HW due |
|------|-----|-------|-------|--------|
| – | – | – | Learning WebAssign. | 01/20 2AM |
| 01/15 | Wed. | 6.1 | Sets. | 01/20 2AM |
| 01/17 | Fri. | 6.2 | Counting elements of a set with Venn diagrams, and inclusion-exclusion principle. | 01/21 2AM |
| 01/20 | Mon. | 6.3 | Basic Counting principles including Multiplication Principle. | 01/23 2AM |
| 01/22 | Wed. | 6.4 | Permutations. | 01/25 2AM |
| 01/24 | Fri. | 6.5 | Combinations. | 01/30 2AM |
| 01/27 | Mon. | 6.5/6.6 | Combinations/Mix of counting probs.    **Quiz 1** | – |
| 01/29 | Wed. | 6.6 | A mixture of counting problems. | 02/01 2AM |
| 01/31 | Fri. | 6.7 | Partitions. | 02/04 2AM |
| 02/03 | Mon. | | Catch up. | |
| 02/05 | Wed. | | Review for Exam 1. | |
| 02/06 | Thurs. | | **Exam 1, 8:00-9:15 a.m.** | |
| 02/07 | Fri. | 7.1 | Introduction to Probability. | 02/13 2AM |
| 02/10 | Mon. | 7.1/7.2 | Probability and equally likely outcomes. | – |
| 02/12 | Wed. | 7.2 | Equally likely outcomes. | 02/15 2AM |
| 02/14 | Fri. | 7.3 | Compound Events, Union, Intersections and Complements. | 02/18 2AM |
| 02/17 | Mon. | 7.4 | Conditional Probability. | 02/22 2AM |
| 02/19 | Wed. | 7.4/7.5 | Conditional Probability and Independence.    **Quiz 2** | – |
| 02/21 | Fri. | 7.5 | Independence. | 02/25 2AM |
| 02/24 | Mon. | 7.6 | Bayes Theorem. | 02/27 2AM |
| 02/26 | Wed. | 8.1 | Frequency Distributions. | 02/29 2AM |
| 02/28 | Fri. | 8.2 | Measures of Central Tendency.    **Quiz 3** | 03/03 2AM |
| 03/02 | Mon. | | Catch up. | |
| 03/04 | Wed. | | Review for Exam 2. | |
| 03/05 | Thurs. | | **Exam 2, 8:00-9:15 a.m.** | |
| 03/06 | Fri. | 8.3 | Measures of dispersion. | 03/17 2AM |
| 03/9 | Mon. | | Spring Break. | |
| 03/11 | Wed. | | Spring Break. | |
| 03/13 | Fri. | | Spring Break. | |
| 03/16 | Mon. | 8.4 | Random Variables and Probability Distributions. | 03/21 2AM |
| 03/18 | Wed. | 8.4/8.5 | Random Variables/Expected Value. | – |
| 03/20 | Fri. | 8.5 | Expected value of a random variable. | 03/24 2AM |

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| 03/23 | Mon. | 8.6 | Bernoulli Experiments and Binomial Distribution. | 03/26 2AM |
| 03/25 | Wed. | 8.7 | Normal Distribution. **Quiz 4** | 03/31 2AM |
| 03/27 | Fri. | 8.7 | Normal Distribution. | – |
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| 03/30 | Mon. | 3.1 | Linear Inequalities in two variables. | 04/02 2AM |
| 04/01 | Wed. | 3.2 | Solutions of systems of linear inequalities. | 04/04 2AM |
| 04/03 | Fri. | 3.3 | Linear Programming. | 04/09 2AM |
| | | | | |
| 04/06 | Mon. | 3.3 | Linear Programming. **Quiz 5** | – |
| 04/08 | Wed. | | Supplementary Notes: Matrices. | |
| 04/10 | Fri. | | Easter Break. | |
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| 04/13 | Mon. | | Easter Break. | |
| 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. | 04/23 2AM |
| 04/20 | Mon. | 9.1 | Two person Games. | – |
| 04/22 | Wed. | 9.2 | Mixed Strategy. | 04/28 2AM |
| 04/24 | Fri. | 9.2 | Mixed Strategy. **Quiz 6** | – |
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| 04/27 | Mon. | | Catch up. | |
| 04/29 | Wed. | | Review for final. | |
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| 05/07 | Thurs. | | **Final Exam, 1:45-3:45 p.m.** | |