

Fall 2009 MATH 1215 Mathematical Thinking
Estimated Course Schedule

Section Topic

Logic (3 weeks)

- 6.1 Statements
- 6.2 Truth Tables and Equivalent Statements
- 6.3 The Conditional
- 6.4 More on the Conditional
- 6.5 Analyzing Arguments and Proofs

Probability (3 weeks)

- 7.1 Sets
- 7.2 Applications to Venn Diagrams
- 7.3 Introduction to Probability
- 7.4 Basic Concepts of Probability
- Midterm Week of October 12-16
- 7.5 Conditional Probability and Independent Events
- 7.6 Bayes Theorem/Medical Screening

Counting Principles: Further Probability Topics (3 weeks)

- 8.1 Multiplication Principle, Permutations
- 8.2 Combinations
- 8.3 Probability Applications of Counting Principles
- 8.4 Binomial Probability
- 8.5 Probability Distributions and Expected Value

Decision Theory: Expected Value (1 week)

From Packet

Important Dates (from online calendar)

- Oct 12 Monday
 - Columbus Day, no classes
- Nov 11 Wednesday
 - Veterans' Day, no classes
- Nov 25 Wednesday
 - First day of Thanksgiving recess, no classes
- Nov 30 Monday
 - Classes resume
 - First day of registration for Spring classes
- Dec 9 Wednesday
 - Last day of Fall classes
- Dec 10 Thursday
 - Reading day
- Dec 11 Friday
 - First day of final exams for Fall classes
- Dec 18 Friday
 - Last day of final exams for Fall classes
- Dec 19 Saturday
 - Final exam makeup day for Fall classes if needed
 - First day of winter break