

Course Outline

Math 118 DE - Spring 2013

Class 1 - January 28, 2013

Lecture: Course Information (Syllabus)
Sets, empty set, Venn Diagrams, intersections and unions (2.1, 2.2)
The Fundamental Counting Principle (12.1)
Homework: Quiz 0, Quiz 1 Review and Quiz 1 and Problem Set 1

Class 2 - February 4, 2013

Lecture: Subsets (2.2), Permutations (12.1)
Geometry: angles, angles in a triangle (7.2), Sum of angles in a polygon (7.2)
Homework: Quiz 2 Review and Quiz 2 and Problem Set 2

Class 3 - February 11, 2013

Lecture: Venn diagrams as a problem solving tool (2.3), Combinations (12.2)
Geometry: Perimeter and Area of a rectangle (9..2)
Homework: Quiz 3 Review and Quiz 3 and Problem Set 3

Class 4 - February 25, 2013

Lecture: Simple interest (11.1), [Pythagorean Theorem](#) (5.5)
Also posted: Exam 1 Review

Class 5 - March 4, 2013

Exam 1

Class 6 - March 11, 2013

Lecture: Compound Interest (11.1), Area and perimeter (9.1, 9.2)
Homework: Quiz 4 Review and Quiz 4 and Problem Set 4

Class 7 - March 18, 2013

Lecture: Volume (9.3), Introduction to Probability (13.1)

Homework: Quiz 5 Review and Quiz 5 and Problem Set 5

Class 8 - April 1, 2013

Lecture: Compound Interest (11.1), Installment Buying (11.2), Decimals and Fractions (5.6)

Also posted: Exam 2 Review, Practice for Compound Interest and Installment Buying
Answers for Problem Sets 4 and 5, Explanation of Playing Cards

Class 9 - April 8, 2013**Exam 2****Class 10 - April 15, 2013**

Lecture: Computing Probabilities (13.3), The binomial theorem (12.2)

Homework: Quiz 6 Review and Quiz 6 and Problem Set 6

Class 11 - April 22, 2013

Lecture: Mathematical Expectation (13.2), Similar Triangles (7.4)

Homework: Quiz 7 Review and Quiz 7 and Problem Set 7

Class 12 - April 29, 2013

Lecture: Binomial Probability (13.5), Descriptive statistics (14.2)

Also posted: Exam 3 Review, Answers for Problem Sets 6 and 7

Class 13 - May 6, 2013**Final Exam**