

Course Outline

Math 98 CD – Fall 2018

Class 1 – Monday, August 27

Lecture: [Course Information](#), [The Language of Mathematics](#), [The Words AND and OR](#)

Class 2 – Wednesday, August 29

Lecture: [The Set of All Natural Numbers](#), [The Order of Operations Agreement](#)

Also posted: [Problem Set 1](#)

Class 3 – Wednesday, September 5

Lecture: [Introduction to Set Theory](#), [Factors of a Number](#)

Also posted: [Problem Set 2](#)

Class 4 – Monday, September 10

Lecture: [The Set of All Integers](#), [Order of Operations on Integers](#), [Perimeter and Area of Rectangles](#)

Class 5 – Wednesday, September 12

Lecture: [Square Roots](#), [Division with Remainder](#), [Fractions -Part 1](#) (the definition)

Also posted: [Problem Set 3](#)

Class 6 – Monday, September 17

Lecture: [Algebraic Expressions and Statements](#), [Set Operations](#), [Perimeter and Area of Right Triangles](#)

Class 7 – Wednesday, September 19

Lecture: [Fractions — Part 2: Equivalent Fractions](#), [Introduction to Number Theory](#)

Also posted: [Exam 1 Review](#)

Class 8 – Monday, September 24

Lecture: [Fractions 3](#) (Improper Fractions and Mixed Numbers), [Area of General Triangles](#)
[Linear Equations 1](#) (One- and Two-Step Equations)

Class 9 – Wednesday, September 26

Exam 1

Also posted: [Problem Set 4](#)

Class 10 – Monday, October 1

Lecture: [Fractions 4](#) (Adding and Subtracting Fractions), [Simplifying Algebraic Expressions](#)

Class 11 – Wednesday, October 3

Lecture: [Fractions 5](#) (Multiplying and Dividing Fractions), [LCM and GCD](#)

Also posted: [Problem Set 5](#)

Class 12 – Monday, October 8

Lecture: [Linear Equations 2](#) (Unknown on Both Sides), [The Rectangular Coordinate System](#)

Class 13 – Wednesday, October 10

Lecture: [Intervals](#), [Rules of Exponents](#)

Also posted: [Exam 2 Review](#)

Class 14 – Monday, October 15

Lecture: Exam 2 Review, [Applications of Linear Equations](#)

Class 15 – Wednesday, October 17

Exam 2

Class 16 – Monday, October 22

Lecture: [Multiplying Algebraic Expressions](#)

Class 17 – Wednesday, October 24

Lecture: [Exponents](#) (Scientific Notation), [Linear Inequalities](#), [Graph of an Equation](#)

Also posted: [Problem Set 6](#)

Class 18 – Monday, October 29

Lecture: [The Zero Product Rule](#), [Factoring 1](#) (GCF)

Class 19 – Wednesday, October 31

Lecture: [Integer Exponents](#)

Also posted: [Problem Set 7](#)

Class 20 – Monday, November 5

Lecture: [Weighted Average](#), [Graphing a Line](#)

Class 21 – Wednesday, November 7

Lecture: [Factoring 2](#) (The Difference of Squares Theorem)

Also posted: [Exam 3 Review](#)

Class 22 – Monday, November 12

Lecture: [Solving Linear Systems of Equations by Elimination](#)

Class 23 – Wednesday, November 14

Exam 3

Also posted: [Problem Set 8](#)

Class 24 – Monday, November 19

Lecture: [Solving Linear Systems of Equation by Substitution](#), [Factoring by Trial and Error](#)

Class 25 – Wednesday, November 21

Lecture: [Slope of a Line](#)

Also posted: [Problem Set 9](#)

Class 26 – Monday, November 26

Lecture: [The Pythagorean Theorem](#)

Class 27 – Wednesday, November 28

Lecture: [Factoring by Grouping](#), [Factoring by the AC Method](#)

Also posted: [Problem Set 10](#), **Final Review: [Part 1 \(Departmental\)](#) and [Part 2 \(For the class Math 98 CD\)](#)**

Class 28 – Monday, December 3

Lecture: [Rational Expressions](#), [Square-root of 2 is irrational](#),

Class 29 – Wednesday, December 5

Lecture: [Fractions and Decimals](#), [The Real Number System](#), [More on Linear Systems](#)

Class 30 – Monday, December 10

Lecture: [Factoring the Difference and Sum of Cubes](#), Divisibility - Part 2

Class 31 – Wednesday, December 12

Exam 4 (same as the final exam)