

Course Outline

Math 99 TBLC – Fall 2018

Class 1 – Monday, August 27

Lecture: [Course Information](#), [The words AND and OR](#)

Class 2 – Wednesday, August 29

Lecture: [Introduction to Intermediate Algebra](#), [The Set of All Natural Numbers](#)

Class 3 – Friday, August 31

Lecture: [The Order of Operations Agreement](#), [Perimeter and Area of Rectangles](#)

Also posted: [Problem Set 1](#)

Class 4 – Wednesday, September 5

Lecture: [Introduction to Set Theory](#), [The Set of All Integers](#)

Class 5 – Friday, September 7

Lecture: [Order of Operations on Integers](#)

Also posted: [Problem Set 2](#)

Class 6 – Monday, September 10

Lecture: [Perimeter and Area of Right Triangles](#), [Square Roots](#), [Factors of a Number](#)

Class 7 – Wednesday, September 12

Lecture: [Algebraic Expressions and Statements](#)

Class 8 – Friday, September 14

Lecture: [Set Operations](#)

Also posted: [Exam 1 Review](#)

Class 9 – Monday, September 17

Lecture: [Division with Remainder](#), [Simplifying Algebraic Expressions](#)

Class 10 – Wednesday, September 19

Lecture: [Introduction to Number Theory](#) (prime factorization), [One- and Two-Step Equations](#)

Class 11 – Friday, September 21

Exam 1

Also posted: [Problem Set 3](#)

Class 12 – Monday, September 24

Lecture: [Fractions 1](#) (The Definition), [Fractions 2](#) (Equivalent Fractions), [Basic Percent Problems](#)

Class 13 – Wednesday, September 26

Lecture: [Rules of Exponents](#), [The nth Root of a Number](#)

Class 14 – Friday, September 28

Lecture: [Rules of Exponents](#) (Scientific Notation), [Linear Equations 2](#) (Unknown on both sides)

Also posted: [Problem Set 4](#)

Class 15 – Monday, October 1

Lecture: [Multiplying Algebraic Expressions](#)

Class 16 – Wednesday, October 3

Lecture: [Fractions 3](#) (Improper Fractions and Mixed Numbers), [Fractions 4](#) (Adding and Subtracting), [Intervals](#)

Class 17 – Friday, October 5

Lecture: [Fractions 5](#) (Multiplying and dividing)

Also posted: [Problem Set 5](#)

Class 18 – Monday, October 8

Lecture: [Integer Exponents](#), [The Rectangular Coordinate System](#)

Class 19 – Wednesday, October 10

Lecture: [The Zero Product Rule](#), [Factoring A](#) (GCF and difference of squares)

Class 20 – Friday, October 12

Lecture: [LCM and GCD](#), [Graph of an Equation](#),

Also posted: [Exam 2 Review](#)

Class 21 – Monday, October 15

Lecture: Factoring by completing the square – [Part 1](#), [Part 2](#), [Linear Equations - Part 3](#)

Class 22 – Wednesday, October 17

Lecture: [Graphing Straight Lines 1](#), [Summation 1](#)

Class 23 – Friday, October 12

Exam 2

Also posted: [Problem Set 6](#)

Class 24 – Monday, October 22

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

Class 25 – Wednesday, October 24

Lecture: [Square-root of 2 is irrational](#), [Radical Expressions 1](#)

Class 26 – Friday, October 26

Lecture: [Radical Expressions 1](#) (finished)

Also posted: [Problem Set 7](#)

Class 27 – Monday, October 29

Lecture: [Smallest value of a Quadratic Expression](#), [Factoring by completing the square Part 3](#), [Quadratic Word Problems](#)

Class 28 – Wednesday, October 31

Lecture: [Introduction to Combinatorics](#), [Graphing Parabolas - 1](#) and [Practice](#)

Class 29 – Friday, November 2

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

Also posted: [Problem Set 8](#)

Class 30 – Monday, November 5

Lecture: [Weighted Average](#), Solving Linear Systems of Equations by [Substitution](#), [Factoring by Completing the Square - Part 4](#)

Class 31 – Wednesday, November 7

Lecture: [The Pythagorean Theorem](#)

Class 32 – Friday, November 9

Lecture: [Radical Expressions 2](#)

Also posted: [Exam 3 Review](#)

Class 33 – Monday, November 12

Lecture: [Rational Exponents](#), [Rational Expressions 1](#)

Class 34 – Wednesday, November 14

Lecture: [Compound Inequalities](#), [Radical Equations](#)

Class 35 – Friday, November 16

Exam 3

Class 36 – Monday, November 19

Lecture: [Graphing a Parabola - 2](#)

Class 37 – Wednesday, November 21

Lecture: [The Quadratic Formula](#), [Slope of a Line](#)

Also posted: [Problem Set 9](#)

Class 38 – Monday, November 26

Lecture: [Writing Equations of Lines](#)

Class 39 – Wednesday, November 28

Lecture: [Complex Numbers](#)

Also posted: [Departmental Final Review](#)

Class 40 – Friday, November 30

Lecture: [Complex Numbers](#)

Also posted: [Final Review - Version B](#), [Problem Set 10](#)

Class 41 – Monday, December 3

Lecture: [Rational Expressions 2](#), [Absolute Value Equations](#)

Class 42 – Wednesday, December 5

Lecture: [Rational Equations](#), [Functions](#)

Class 43 – Friday, December 7

Lecture: [Complex Fractions](#), [Similar Triangles](#)

Class 44 – Monday, December 10

Lecture: [Work Word Problems \(More Practice\)](#), [Domain and Range from a Graph](#)

Class 45 – Wednesday, December 12

Lecture: [Systems of Linear Equations with 3 Variables](#), [Basic Functions and Their Properties](#)

Class 46 – Friday, December 14

Exam 4 (same as the final exam)