

Course Outline

Math 99 BC – Summer 2017

Class 1 – Wednesday, June 7

Lecture: [Course Information](#), [What is Mathematics?](#), [The words AND and OR, Sets, Subsets, Unions and Intersections](#), [The Real Number System - Part 1](#),
Also defined: rectangles and squares, divisibility

Also posted: [Review for Quiz 1](#)

Class 2 – Thursday, June 8

Lecture: [Order of Operations](#), [Division by Zero](#), [Integers](#), Absolute Value of an Integer, [The nth Root of a Number](#), Combinatorics 1 - the handshake problem, [Square-root of 2 is irrational](#), [The Real Number System - Part 2](#), Division with Remainder

Class 3 – Monday, June 12

Lecture: [Combinatorics 1](#), [Number Theory 1](#), [Evaluating Algebraic Expressions](#), [Solutions of Equations and Inequalities](#)

Also posted: [Review for Quiz 2](#)

Class 4 – Wednesday, June 14

Lecture: [Least Common Multiple and Greatest Common Divisor of Two Numbers](#), [Review of Fractions](#), (Careful when printing this! It's 85 pages long.) [One- and Two-Step Equations](#), Conditional Equations, Identities, and Contradictions

Class 5 – Thursday, June 15

Lecture: [Simplifying Algebraic Expressions](#), [Review of Linear Equations](#) (and [Practice](#))

Also posted: [Review for Quiz 3](#), [Review for Exam 1](#)

Class 6 – Monday, June 19

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

Class 7 – Wednesday, June 21

Lecture: [Decimal Presentation of Rational and Irrational Numbers](#),
Completing the Square – [Part 1](#), [Part 2](#), [Rules of Exponents](#)

Class 8 – Thursday, June 22

Lecture: [Summation 1](#)

Exam 1

Also posted: [Review for Quiz 4](#)