

Course Outline

Math 207 DE – Spring 2019

Class 1 – Monday, January 14

Lecture: [Course Information](#), [Algebra Review](#), [Definition of a Function](#),
[Complete Analysis of a Function - Part 1](#)
[Average Velocity - Part 1](#) and [Part 2](#)

Also posted: [Guide to Review](#), [Are You Ready for Calculus](#) and [Answers](#)

Class 2 – Wednesday, January 16

Lecture: [Complete Analysis of a Function - Part 1](#) (finished),
[Basic Functions and Their Properties](#), [Inverse Functions](#), [Limits at Infinity - Part 1](#)

Also posted: [Quiz 2 Information](#)

Class 3 – Wednesday, January 23

Lecture: [Limits at Infinity - Part 1](#), [Quadratic Inequalities](#)

Also posted: [Quiz 3 Information](#)

Class 4 – Monday, January 28

Lecture: [Limits at Infinity – Part 2](#), [Two-Sided Limits](#)

Class 4.5 – Wednesday, January 30 (Virtual Class)

Lecture: [Two-Sided Limits](#), [Properties of Limits](#)

Also posted: [Quiz 5 Information](#)

Class 5 – Monday, February 4

Lecture: [Continuous Functions](#), [Instantaneous Velocity](#)

Class 6 – Wednesday, February 7

Lecture: [Differentiating by Finding Limits](#)

Also posted: [Exam 1 Review](#)

Class 7 – Monday, February 11

Lecture: [Differentiation 1](#) (proofs of the rules), [Differentiation 1](#) (Practice),
[Differentiating \$\sin x\$ and \$\cos x\$](#) (proofs)

Class 8 – Wednesday, February 13

Exam 1

This document will be updated after each class.