Math 205, Fall 2016

Monday	Wednesday	Friday
Aug 29th **1** Discussion of prerequisites	31st **2** 2.1/2.3, Functions	Sep 2nd **3** 2.2/2.3, Algebra of functions
5th **4** 2.4/2.5, Limits (graphical approach), One-sided limits	7th **5** 2.4/2.5, Limits (analytic approach), Indeterminate forms	9th **6** 2.4/2.5, Infinite limits
12th **7** 2.5, Continuous functions	14th **8** 2.5, Continuous functions, Intermediate Value Theorem	16th **9** 2.6, The derivative, definition
19th **10** 2.6, The derivative	21st **11** 2.6, Review for test	23rd Test 1
26th **12** 3.1, Basic rules of differentiation	28th **13** 3.2, Product and quotient rules	30th **14** No class
Oct 3rd **15** 3.3, Chain rule	5th **16** 3.3, Chain rule, 3.5 Higher derivatives	7th **17** 3.6, Implicit differentiation
10th **18** 3.6, Implicit differentiation, Related rates	12th **19** 4.1, Applications of 1st derivative (increasing/decreasing, local extrema)	14th **20** 4.5, Optimization II
17th **21** 4.4/4.5, More optimization	19th **22** Review for test	21st Test 2
24th **23** 4.2, Applications of 2nd derivative (concavity, inflection)	26th **24** 5.1, Exponential functions	28th **25** 5.4, Differentiation of exponential functions
31st **26** Appendix A, Inverse functions	Nov 2nd **27** 5.2, Logarithmic functions	4th **28** 5.5, Differentiation of logarithmic functions
7th **29** 5.5/5.6 Logarithmic differentiation, Modeling applications	9th **30** Review for test	11th Test 3
14th **31** 6.1, The indefinite integral	16th **32** 6.1/6.2, More integration	18th **33** 6.3, Area and the definite integral
21st Thanksgiving	23rd Thanksgiving	25th Thanksgiving
28th **34** 6.3, Area and the definite integral	30th **35** 6.4, The Fundamental Theorem of Calculus	Dec 2nd **36** 6.4, The Fundamental Theorem of Calculus
5th **37** Mop-up of course material	7th **38** Mop-up of course material	9th **39** Review for Final Exam
12th **40**	14th Final Exam 1:00-3:00pm	16th **41**