Math 205, Fall 2015, Approximate Schedule

Monday	Wednesday	Friday
Aug 31st **1** Discussion of prerequisites	Sep 2nd **2** 2.1/2.3, Functions	4th **3** 2.2/2.3, Algebra of functions
7th **4** 2.4/2.5, Limits (graphical approach), One-sided limits	9th **5** 2.4/2.5, Limits (analytic approach), Indeterminate forms	11th **6** 2.4/2.5, Infinite limits
14th **7** 2.5, Continuous functions	16th **8** 2.5, Continuous functions, Intermediate Value Theorem	18th **9** 2.6, The derivative, definition
21st **10** 2.6, The derivative	23rd **11** 2.6, Review for test	25th Test 1
28th **12** 3.1, Basic rules of differentiation	30th **13** 3.2, Product and quotient rules	Oct 2nd **14** 3.3, Chain rule
5th **15** 3.3, Chain rule, 3.5 Higher derivatives	7th **16** 3.6, Implicit differentiation	9th **17** 3.6, Implicit differentiation, Related rates
12th **18** 4.1, Applications of 1st derivative (increasing/decreasing, local extrema)	14th **19** 4.4, Optimization I	16th **20** 4.5, Optimization II
19th **21** 4.4/4.5, More optimization	21st **22** Review for test	23rd Test 2
26th **23** 4.2, Applications of 2nd derivative (concavity, inflection)	28th **24** 5.1, Exponential functions	30th **25** 5.4, Differentiation of exponential functions
Nov 2nd **26** Appendix A, Inverse functions	4th **27** 5.2, Logarithmic functions	6th **28** 5.5, Differentiation of logarithmic functions
9th **29** 5.5/5.6 Logarithmic differentiation, Modeling applications	11th **30** Review for test	13th Test 3
16th **31** 6.1, The indefinite integral	18th **32** 6.1/6.2, More integration	20th **33** 6.3, Area and the definite integral
23rd Thanksgiving	25th Thanksgiving	27th Thanksgiving
30th **34** 6.3, Area and the definite integral	Dec 2nd **35** 6.4, The Fundamental Theorem of Calculus	4th **36** 6.4, The Fundamental Theorem of Calculus
7th **37** Mop-up of course material	9th **38** Mop-up of course material	11th **39** Review for Final Exam
14th Final Exam 1:00-3:00pm	16th **40**	18th **41**