Math 205, Spring 2016, Approximate Schedule

Monday	Wednesday	Friday
Jan 11th **1** Discussion of prerequisites	13th **2** 2.1/2.3, Functions	15th **3** 2.2/2.3, Algebra of functions
18th Martin Luther King Day	20th **4** 2.4/2.5, Limits (graphical approach), One-sided limits	22nd **5** SNOW DAY
25th **6** SNOW DAY	27th **7** 2.4/2.5, Limits (analytic approach), Indeterminate forms	29th **8** 2.4/2.5, Infinite limits
Feb 1st **9** 2.5, Continuous functions	3rd **10** 2.5, Continuous functions, Intermediate Value Theorem	5th **11** 2.6, The derivative, definition
8th **12** 2.6, The derivative	10th **13** 2.6, Review for test	12th Test 1
15th **14** 3.1, Basic rules of differentiation	17th **15** 3.2, Product and quotient rules	19th **16** 3.3, Chain rule
22nd **17** 3.3, Chain rule, 3.5 Higher derivatives	24th **18** 3.6, Implicit differentiation	26th **19** 3.6, Implicit differentiation, Related rates
29th **20** 4.1, Applications of 1st derivative (increasing/decreasing, local extrema)	Mar 2nd **21** 4.4, Optimization I	4th **22** 4.5, Optimization II
7th Spring Break	9th Spring Break	11th Spring Break
14th **23** 4.4/4.5, More optimization	16th **24** Review for test	18th Test 2
21st **25** 4.2, Applications of 2nd derivative (concavity, inflection)	23rd **26** 5.1, Exponential functions	25th **27** 5.4, Differentiation of exponential functions
28th **28** Appendix A, Inverse functions	30th **29** 5.2, Logarithmic functions	Apr 1st **30** 5.5, Differentiation of logarithmic functions
4th **31** 5.5/5.6 Logarithmic differentiation, Modeling applications	6th **32** Review for test	8th Test 3
11th **33** 6.1, The indefinite integral	13th **34** 6.1/6.2, More integration	15th **35** 6.3, Area and the definite integral
18th **36** 6.3, Area and the definite integral	20th **37** 6.4, The Fundamental Theorem of Calculus	22nd **38** 6.4, The Fundamental Theorem of Calculus
25th **39** Mop-up of course material	27th **40** Review for Final Exam	29th **41**
May 2nd **42**	4th Final Exam 1:00-3:00pm	6th **43**