M205, Spring 2014

Monday	Wednesday	Friday
Jan 13th **1** Discussion of prerequisites Classes Begin	15th **2** 2.1/2.3, Functions	17th **3** 2.2/2.3, Algebra of functions
20th Martin Luther King Day no class	22nd **4** 2.4/2.5, Limits (graphical approach), One-sided limits	24th **5** 2.4/2.5, Limits (analytic approach), Indeterminate forms
27th **6** 2.4/2.5, Infinite limits	29th **7** 2.5, Continuous functions	31st **8** 2.5, Continuous functions, Intermediate Value Theorem
Feb 3rd **9** 2.6, The derivative, definition	5th **10** 2.6, The derivative	7th **11** 2.6, Review for test
10th Test 1	12th **12** 3.1, Basic rules of differentiation	14th **13** -BLIZZARD-
17th **14** 3.2, Product and quotient rules	19th **15** 3.3, Chain rule	21st **16** 3.3, Chain rule, 3.5 Higher derivatives
24th **17** 3.6, Implicit differentiation	26th **18** 3.6, Implicit differentiation, Related rates	28th **19** 4.1, Applications of 1st derivative (increasing/decreasing, local extrema)
Mar 3rd **20** -SNOW DAY-	5th **21** Review for test	7th Test 2
10th Spring Break	12th Spring Break	14th Spring Break
17th **22** -SNOW DAY-	19th **23** 4.4, Optimization I	21st **24** 4.5, Optimization II
24th **25** 4.4/4.5, More optimization	26th **26** 4.2, Applications of 2nd derivative (concavity, inflection)	28th **27** 5.1, Exponential functions
31st **28** 5.4, Differentiation of exponential functions	Apr 2nd **29** Appendix A, Inverse functions	4th **30** 5.2, Logarithmic functions
7th **31** 5.5, Differentiation of logarithmic functions	9th **32** 5.5/5.6 Logarithmic differentiation, Modeling applications	11th **33** Review for test
14th Test 3	16th **34** ???	18th **35** 6.1, The indefinite integral
21st **36** 6.1/6.2, More integration	23rd **37** 6.3, Area and the definite integral	25th **38** 6.4, The Fundamental Theorem of Calculus
28th **39** 6.4, The Fundamental Theorem of Calculus	30th **40** Review for Final Exam	May 2nd **41**
5th Final Exam 8:00am-10:00am	7th **42**	9th **43**