

MATH 205, Spring 2012, Approximate Schedule

MONDAY	WEDNESDAY	FRIDAY
Jan 9th 1 Discussion of prerequisites	11th 2 2.1/2.3, Functions	13th 3 2.2/2.3, Algebra of functions
16th <u>MLK Jr Day</u>	18th 4 2.4/2.5, Limits (graphical approach), One-sided limits	20th 5 2.4/2.5, Limits (analytic approach), Indeterminate forms
23rd 6 2.4/2.5, Infinite limits	25th 7 Birth of Daughter, Class Cancelled	27th 8 2.5, Continuous functions
30th 9 2.5, Continuous functions, Intermediate Value Theorem	Feb 1st 10 2.6, The derivative, definition	3rd 11 2.6, The derivative
6th 12 2.6, Review for test	8th <u>Test 1</u>	10th 13 3.1, Basic rules of differentiation
13th 14 3.2, Product and quotient rules	15th 15 3.3, Chain rule	17th 16 3.3, Chain rule, 3.5 Higher derivatives
20th 17 3.5, Higher derivatives	22nd 18 3.6, Implicit differentiation	24th 19 3.6, Implicit differentiation, Related rates
27th 20 4.1, Applications of 1st derivative (increasing/decreasing, local extrema)	29th 21 4.4, Optimization I	Mar 2nd 22 4.5, Optimization II
5th <u>Spring Break</u>	7th <u>Spring Break</u>	9th <u>Spring Break</u>
12th 23 4.2, Review for test	14th <u>Test 2</u>	16th 24 4.4/4.5, More optimization
19th 25 4.2, Applications of 2nd derivative (concavity, inflection)	21st 26 5.1, Exponential functions	23rd 27 5.4, Differentiation of exponential functions
26th 28 Appendix A, Inverse functions	28th 29 5.2, Logarithmic functions	30th 30 5.5, Differentiation of logarithmic functions
Apr 2nd 31 5.5, Logarithmic differentiation	4th 32 5.3/5.6, Modeling applications	6th 33 5.3/5.6, Review for test
9th <u>Test 3</u>	11th 34 6.1, The indefinite integral	13th 35 6.1/6.2, More integration
16th 36 6.3, Area and the definite integral	18th 37 6.3, Area and the definite integral	20th 38 6.4, The Fundamental Theorem of Calculus
23rd 39 6.4, The Fundamental Theorem of Calculus	25th 40 Mop-up of course material	27th 41 Review for Final Exam
30th <u>Final Exam</u> Section 03, 8:00am-10:00am	May 2nd	4th <u>Final Exam</u> Section 01, 8:00am-10:00am