

**MATH 205, Spring 2013, Approximate Schedule**

MONDAY	WEDNESDAY	FRIDAY
Jan 7th Discussion of prerequisites	9th No Class	11th No Class
14th 2.1/2.3, Functions	16th 2.2/2.3, Algebra of functions	18th 2.4/2.5, Limits (graphical approach), One-sided limits
21st <u>MLK Jr Day</u>	23rd 2.4/2.5, Limits (analytic approach), Indeterminate forms	25th 2.4/2.5, Infinite limits
28th 2.5, Continuous functions	30th 2.5, Continuous functions, Intermediate Value Theorem	Feb 1st 2.6, The derivative, definition
4th 2.6, The derivative	6th 2.6, Review for test	8th <u>Test 1</u>
11th 3.1, Basic rules of differentiation	13th 3.2, Product and quotient rules	15th 3.3, Chain rule
18th 3.3, Chain rule, 3.5 Higher derivatives	20th 3.6, Implicit differentiation	22nd 3.6, Implicit differentiation, Related rates
25th 4.1, Applications of 1st derivative (increasing/decreasing, local extrema)	27th 4.4, Optimization I	Mar 1st 4.5, Optimization II
4th <u>Spring Break</u>	6th <u>Spring Break</u>	8th <u>Spring Break</u>
11th 4.4/4.5, More optimization	13th Review for test	15th <u>Test 2</u>
18th 4.2, Applications of 2nd derivative (concavity, inflection)	20th 5.1, Exponential functions	22nd 5.4, Differentiation of exponential functions
25th Appendix A, Inverse functions	27th 5.2, Logarithmic functions	29th 5.5, Differentiation of logarithmic functions
Apr 1st 5.5/5.6 Logarithmic differentiation, Modeling applications	3rd Review for test	5th <u>Test 3</u>
8th 6.1, The indefinite integral	10th 6.1/6.2, More integration	12th 6.3, Area and the definite integral
15th 6.3, Area and the definite integral	17th 6.4, The Fundamental Theorem of Calculus	19th 6.4, The Fundamental Theorem of Calculus
22nd Mop-up of course material	24th Mop-up of course material	26th Review for Final Exam
29th	May 1st <u>Final Exam</u> Section 01, 10:30am-12:30pm	3rd