MATH 205, Fall 2012, Approximate Schedule

Monday		Wednesday		Friday	
Aug 27th	**1**	29th	**2**	31st	**3**
Discussion of prerequisites		2.1/2.3, Functions		2.2/2.3, Algebra of functions	
Sep 3rd	**4**	5th	**5**	7th	**6**
2.4/2.5, Limits (graphical approach), One-sided limits		2.4/2.5, Limits (analytic approach), Indeterminate forms		2.4/2.5, Infinite limits	
10th	**7**	12th	**8**	14th	**9**
2.5, Continuous functions		2.5, Continuous functions, Intermediate Value Theorem		2.6, The derivative, definition	
17th	**10**	19th	**11**	21st	
2.6, The derivative		2.6, Review for test		Test 1	
24th	**12**	26th	**13**	28th	**14**
3.1, Basic rules of differentiation		3.2, Product and quotient rules		3.3, Chain rule	
Oct 1st	**15**	3rd	**16**	5th	**17**
3.3, Chain rule, 3.5 Higher derivatives		3.6, Implicit differentiation		3.6, Implicit differentiation, Related rates	
8th	**18**	10th	**19**	12th	**20**
4.1, Applications of 1st derivative (increasing/decreasing, local extrema)		4.4, Optimization I		Class Cancelled	
15th	**21**	17th		19th	**22**
4.2, Review for test		Test 2		4.5, Optimization II	
22nd	**23**	24th	**24**	26th	**25**
4.4/4.5, More optimization		4.2, Applications of 2nd derivative (concavity, inflection)		5.1, Exponential functions	
29th	**26**	31st	**27**	Nov 2nd	**28**
Hurricane, No class		5.4, Differentiation of exponential functions		Appendix A, Inverse functions	
5th	**29**	7th	**30**	9th	**31**
5.2, Logarithmic functions		5.5, Differentiation of logarithmic functions		5.3/5.6, Review for test	
12th		14th	**32**	16th	**33**
Test 3		5.5/5.6 Logarithmic differentiation, Modeling applications		6.1, The indefinite integral	
19th		21st		23rd	
Thanksgiving Break		Thanksgiving Break		Thanksgiving Break	
26th	**34**	28th	**35**	30th	**36**
6.1/6.2, More integration		6.3, Area and the definite integral		6.4, The Fundamental Theorem of Calculus	
Dec 3rd	**37**	5th	**38**	7th	**39**
6.4, The Fundamental Theorem of Calculus		Mop-up of course material		Review for Final Exam	
10th	**40**	12th	**41**	14th	
				Final Exam Section 01, 8:00am-10:00am	