

MATHEMATICS ASSIGNMENTS
 CALCULUS– MS. WILDSTROM
 OCTOBER 6-NOVEMBER 28, 2008

DATE	READING LECTURE	PROBLEMS DUE	WORKSHEET QUIZ/TEST
Mon., 10-6	3.1,2	(Loose Ends if time)	
Tues., 10-7		NOTEBOOKS DUE!	CHAP 2 TEST
Wed., 10-8			MORE TEST
Thurs., 10-9		NO SCHOOL!	
Fri., 10-10	3.1,2,3	Discovering some derivative rules worksheets	(Journal 10-12)
Mon., 10-13	3.2,3	p. 97-98,#1,7,9,13,15,17,19,21,22.	
Tues., 10-14	3.3	p. 107-108,#1-23 odd.	
Wed., 10-15	3.3	p. 108,#31,32,41,42,43,47-50.	Reading/Internet
Thurs., 10-16	3.3	p. 116#9,13,15,21,24,27,29,31,37,41,43.	
Fri., 10-17		NO SCHOOL!	
Mon., 10-20	3.3	p. 116-117#45,47,51,53,55-58,61-63.	Worksheet 3.1,2
Tues., 10-21	3.4 Trig derivs expl.		
Wed., 10-22	3.3,4	p. 117#65-67,68(bd),69(cd),70(bd),71,77,79.	
Thurs., 10-23	3.4	p. 125#3-11 odd,14,15,18-20,23,29,31,32.	
Fri., 10-24	3.4	p. 125#35,37,41,43,45,49-52.	(Journal 10-26)
Mon., 10-27	Exploration 1		
Tues., 10-28	3.6	p. 144#7,13,15,17,20,21,28,34,37,46,48.	
Wed., 10-29	3.6	p. 145#53,64,66,71,73,81-84.	
Thurs., 10-30	3.7	Extra charted derivative sheet.	Worksheet 3.3,4
Fri., 10-31	3.7	p. 151-152,#1,5,9,11,15,23,27,29,34.	
Mon., 11-3		NO SCHOOL!	
Tues., 11-4		NO SCHOOL!	
Wed., 11-5	Exploration 2		
Thurs., 11-6	7.2,3,5		Worksheet 3.6,7
Fri., 11-7	7.2,3,5	p. 390 #3,9,11,13,15,16,23,27.	Journal (11-9)
Mon., 11-10	8.2	p. 397-398 #3-9 odd,13,15,16,20-23. AND p.414#1,7,10,17,18,21.	
Tues., 11-11	Rev for test 3.1,2,3,4,6,7	p. 162-163#13,19,20,22,27,39,43,50,51,56. and Loose End questions	
Wed., 11-12		NOTEBOOKS DUE	TEST 3.1,2,3,4,6,7
Thurs., 11-13		p. 438-439 #1,3,4,7,8,10,12,16,17.	MORE TEST
Fri., 11-14	3.5		
Mon., 11-17	3.5	p. 135#1,7,11,15,21,-31 odd.	
Tues., 11-18	3.8	p. 136#33-35,37,38. p. 145,#75. p.152,#41.	
Wed., 11-19	Review (7.2,3,5, 8.2)	.Loose End questions	
Thurs., 11-20		NOTEBOOKS DUE!	Quiz 7.2,3,5;8.2
Fri., 11-21	3.8	p. 158#1,7,9,11-15.	Journal (11-23)
Mon., 11-24	3.8	p. 159#17-20,23,25,28. p. 163#59,62.	
Tues., 11-25	Review (3.5,8)	Loose End questions about differentials, error management, and related rates	
Wed., 11-26		NOTEBOOKS DUE!	Quiz 3.5,8
Thurs., 11-27		ENJOY YOUR TURKEY!	
Fri., 11-28		ENJOY YOUR LEFTOVERS!	

OBJECTIVES: Students should be able to:

1. use a limit to (1) find the equation of a line tangent to a curve at a given point and (2) find the instantaneous velocity of a moving object when the position function $s(t)$ is known. (3.1)
2. find derivatives of functions using the definition(s) of a derivative based on limits. (3.2)
3. find derivatives of algebraic functions using basic rules including the power, product and quotient rules. (3.3)
4. find derivatives of trigonometric functions. (3.4)
5. use the chain rule to find derivatives of more complicated functions that can be considered to be compositions of two or more functions. (3.6)
6. differentiate "implicitly" with respect to more than one variable. (3.7)
7. find derivatives of exponential, logarithmic and inverse trigonometric functions. (7.2,3,5, 8.2)
8. use the fact that the tangent line closely approximates the curve of a function in a small "neighborhood" to get "good approximations" of values of a function near an easily calculated value--differentials. (3.5)
9. solve narrative problems that utilize the derivative as a rate of change to calculate the rates of change for processes. (3.8)