

LECTURE SCHEDULE, MAT 141, FALL 2000

Week of	Sections	Holidays and Exams
9/4	P.1, P.2, P.3	First Lecture, Friday 9/9
9/11	P.4, P.5, P.6, P.7	
9/18	1.1, 1.2, 1.3, 1.4	Early Exam, 8:30pm Mon 9/18
9/25	1.5, 2.1, 2.2	
10/2	2.3, 2.4, 2.5	
10/9	2.6, 2.7,	Class Mon → Wed, Exam Fri 10/13
10/16	3.1, 3.2, 3.3	
10/23	3.4, 3.5, 3.6	
10/30	3.7, 4.1, 4.2	
11/6	4.3, 4.4, 4.5	
11/13	4.6	Exam Fri 11/17
11/20	4.7, 5.1	
11/27	5.2	Thanksgiving
12/4	5.3, 5.4	
12/11	5.5, 5.6	
12/18	Review	Final, 11:00-1:30 Fri 12/22

HOMEWORK, MAT 141, FALL 2000

Section:	Topic	Problems:
P.1	Lines	9,11,15,19,24,27,31,33
P.2	Functions and graphs	5-19 odd,27,31,33,37,39,47,49,
P.3	Exponentials	1-6,27
P.4	Inverses	1-10,11-25 odd, 29,31,41,43,
P.5	Trig functions	1, 7-17 odd, 23,25,28,31,35,
P.6	Parametric equations	1-9 odd, 21,23, 27-30, 49
P.7	Modeling Change	1,3,7
1.1	Rates of change	1-17 odd, 31,33,35
1.2	Finding limits	1-41 odd
1.3	Limits involving infinity	1-33 odd, 43
1.4	Continuity	1-25 odd, 33,37
1.5	Tangent lines	1-11 odd, 25
2.1	The derivative as function	1-19 odd,33,35,40
2.2	The derivative as rate of change	1,3,5,13,23,25
2.3	Product and quotients	1-23 odd,28
2.4	Trig functions	1-27 odd,35,37
2.5	Chain rule	1-37 odd,45,51,61,71
2.6	Implicit differentiation	1-25 odd,37-43 odd,49,57
2.7	Related rates	1-9 odd,13,15,19,27,31
3.1	Extreme values	1-29 odd,40,41,42,45,47,51,55
3.2	Mean Value theorem	1-19 odd, 25,29,31,33,35,39
3.3	Graphing	1-6,7-31 odd, 35,47,49,53,55
3.4	Graphing DE's	1-9 odd,13,15
3.5	Optimization	1-15 odd, 23,31,33-37 odd,46
3.6	Linearization	1-5,7,15,25,31,33-37 odd,46
3.7	Newton's method	1-5 odd, 7,8,10,26
4.1	Indefinite integrals	1-25 odd,31,33,35-41 odd
4.2	Substitution	1-29 odd,33,37,45
4.3	Finite sums	1,3,5,9,13,15,21
4.4	Riemann sums	1,3,7,9,11,13,17,18,27,29,33
4.5	Mean value and fundamental thms	1-23 odd,29-37 odd,41,45,51
4.6	Substitution	1-15 odd,11,13,17,21,23
4.7	Numerical integration	1-7 odd,11,13,17,21,23
5.1	Volumes by slicing	1,3,5,9,13,33,41,45,49,55
5.2	Cylindrical shells	1-13 odd,17,21,23,25,27,35
5.3	Lengths of curves	1-7 odd,11,13,17,29,
5.4	Work	1-11 odd, 15,19,23,27,35
5.5	Pressure and Forces	1-7 odd,11,15,19
5.6	Moments and center of mass	1-15 odd,25,27,29,35,37