LECTURE SCHEDULE, MAT 141, FALL 1999

Week of	Sections	Holidays and Exams
9/1	P.1, P.2	**First Lecture, Friday 9/3**
9/6	P.3, P.4, P.5	**no class Monday**
9/13	A.1, 1.1, 1.2, 1.3	**Early Exam, Tue 9/14**
9/20	1.4, 1.5,	**no class Monday**
9/27	1.6, 2.1, 2.2	
10/4	2.3, 2.4, 2.5	
10/11	2.6, 2.7	**1st Midterm, Fri 10/15**
10/18	3.1, 3.2, 3.3, 3.4	
10/25	3.5, 3.6, 3.7	
11/1	3.8, 4.1, 4.2	
11/8	4.3, 4.4, 4.5	
11/15	4.6, 4.7,	**2nd Midterm, Fri 11/19**
11/22	4.8	**Thanksgiving**
11/29	4.9, 5.1, 5.2	
12/6	5.3, 5.4, 5.5,	
12/13	Review	**Final, Fri 12/17**

HOMEWORK, MAT 141, FALL 1999

Section:	Topic	Problems:
P.1	Real Numbers	19-39 odd, 44,45
P.2	Lines	1-11 odd, 17,20,35,36,44,50
P.3	Functions	5-13 odd, 16,23,27-34,39,41,43,45,49,55
P.4	Shifting graphs	1,3,5,10,15,37,47,55,59,61,66,68,73,79
P.5	Trig functions	1,10,13,21,39-42,51
A.1	Induction	1,2,5,7,9
1.1	Rates of change	1-4, 29-36
1.2	Finding limits	1-51 odd
1.3	Formal definition	7-21 odd, 31-49 odd, 51-54
1.4	Extension of limit	1,5,11-17 odd, 21,25,37,47-51,53,57,59
1.5	Continuity	1-10, 31,33,37,39,53,57,59
1.6	Tangent lines	5-15 odd, 23,24,27,29,33,34
2.1	The derivative	1-21 odd, 27-31,34,41-44,50-53
2.2	Differentiation rules	1-23 odd, 29-35 odd, 52,55
2.3	Rates of change	10,11,12,15,16,19,21,25,27
2.4	Trig functions	1-19 odd, 29-37 odd, 63,67,76
2.5	Chain rule	5-17 odd, 31,35,39,43,49,51,67,68
2.6	Implicit differentiation	5,11,15,19,25,29,37,41,45,59,60,67
2.7	Related rates	5-15, 23,24,25,30,33,36
3.1	Extreme values	1-6,7-21 odd, 29,31,33
3.2	Mean Value theorem	1-10,25,2,30
3.3	1st derivative test	1-7, 41-44
3.4	Graphing	1-16,23,32,41-49 odd, 80-84
3.5	Asmptotes	1-15 odd, 25-29 odd, 39-45, 79,80,86
3.6	Optimization	11,14,19,25,27,39,54,57
3.7	Linearization	1-8, 17-20, 47,49,51,57,64
3.8	Newton's method	1,3,5 ,7
4.1	Indefinite integrals	1-41 odd, 65-60
4.2	Differential equations	1-10, 23, 33,35,55,56
4.3	Substitution	1-45 odd, 51,53,59,60
4.4	Finite sums	1,5,11,17
4.5	Riemann sums	1-9 odd, 19-35 odd, 49-69 odd
4.6	Properties and Area	1-21 odd, 27,29,39,41,45
4.7	Fundamental Theorem	1-31 odd, 39, 41-47 odd, 63
4.8	Subsitution	1-29 odd, 32,35
4.9	Numerical integration	1,5,9,27,31
5.1	Area between curves	1-15 odd, 45-47, 53
5.2	Volumes by slicing	1-5,13,14
5.3	Solids of Revolution	1-4,11,13,21-27 odd,43,45
5.4	Cylindrical shells	1-13 odd, 25,27
5.5	Lengths of curves	9-19 odd