LECTURE SCHEDULE, MAT 142, Fall 2001

Week of	Sections	Holidays and Exams
8/27	6.1	**First Lecture, Tuesday 9/28**
9/3	6.2, 6.3,	**No class Mon**
9/10	6.4, 6.5	
9/17	6.6	**No class Tue-Wed**
9/24	6.7	**No class Thur**
10/1	7.1, 7.2, 7.3	
10/8	review	**First Exam, Thur Oct 11**
10/15	7.3, 7.4, 7.5	
10/22	7.6, 7.7	
10/29	8.1, 8.2, 8.3	
11/5	8.4, 8.5	
11/12	review	**Second Exam, Thur. Nov 15**
11/19		**No class Mon-Fri**
11/26	8.6, 8.7	
12/3	8.8, 8.9	
12/10	8.10 , review	**Final, Tue Dec 18, 2-4:30**

HOMEWORK, MAT 142, Fall 2001

Section:	**Topic**	**Problems:**
6.1	Logarithms	4,8,12,16,20,30,36,38,40,51,57,63
6.2	Exponential functions	10,12,23,25,33,41,48,51,55,77
6.3	Derivatives of Inverse Trig functions	2,3,14,19,23,30,38,45
6.4	First order separable DEs	2,5,8,15,29,31
6.5	Linear first order equations	7,10,15,17,20,26
6.6	Euler's method	2,4,6,8,10,14
6.7	Hyperbolic functions	12,14,16,18,41,44,51,54,78
7.1	Integration formulas	3,5,7,9,17,37,43,49,55,57,67,83
7.2	Integration by parts	3,5,7,9,25,29,31,43
7.3	Partial fractions	1,3,15,17,21,29,
7.4	Trig substitutions	3,5,9,29,33,34,37
7.5	Integral tables	3,11,21,33,37,42,44
7.6	l'Hópitale's rule	1,5,7,15,20,29,40,44
7.7	Improper integrals	1,9,11,43,45,47,66
8.1	Limits of sequences	3,5,7,9,15,17,35,36,37,38,47
8.2	Subsequences, Picard's method	1,5,11,15,17,19,25,27,28
8.3	Infinite series	1,3,5,7,9,13,15,19,21,23,25,33,35,51,52
8.4	Non-negative series	1,3,4,5,11,18,26,35,37,41,43,53,54
8.5	Alternating series, absolute convergence	1,3,5,13,15,23,45
8.6	Power series	1,5,7,13,19,33,37,39,40
8.7	Taylor series	1,3,9,12,15,17,21,24,30
8.8	Applications	1,5,15,19,23,25,33,37,43,49
8.9	Fourier series	1,2,4,5,6,15,16
8.10	Fourier sine and cosine series	1,2,3,9,10,11,17