LECTURE SCHEDULE, MAT 142, Fall 2002

Week of	Sections	Holidays and Exams
9/2	6.1, 6.2,	**First Lecture, Tuesday 9/3**
9/9	6.3, 6.4	
9/16	6.5, 7.1	
9/23	7.2, 7.3	
9/30	7.4, 7.5	
10/7	review	**First Exam, Thur Oct 10**
10/14	7.6, A6, 7.7	
10/21	8.1, A7, 8.2	
10/28	8.3, 8.4	
11/4	8.5, 8.6	
11/11	review	**Second Exam, Thur. Nov 14**
11/18	8.7, A8, 8.8	
11/25	8.9,	**No class Wed-Fri**
12/2	8.10,	
12/9	review	**Final, Thur Dec 19, 11-1:30**

HOMEWORK, MAT 142, Fall 2002

Section:	Topic	Problems:
6.1	Logarithms	4,8,12,16,20,30,36,38,40,51,57,60
6.2	Exponential functions	10,12,23,25,33,41,48,51,55,57,61,64,66,68
6.3	Linear first order equations	7,10,15,17,20,26,29
6.4	Euler's method	2,4,6,8,10,14,15
6.5	Hyperbolic functions	11,12,14,16,18,41,44,51,54,75,76,78
7.1	Integration formulas	3,5,7,9,17,37,43,49,55,57,67,83,87,89
7.2	Integration by parts	3,5,7,9,25,29,31,43,47,48
7.3	Partial fractions	1,3,15,17,21,29,49
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	1,5,7,15,20,29,40,44,52
7.7	Improper integrals	1,9,11,43,45,47,63,66,67,68
8.1	Limits of sequences	3,5,7,9,15,17,35,36,37,38,47,61,62,64
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	1,3,4,5,11,18,26,35,37,41,43,53,54,77,78
8.5	Alternating series, abs. conv.	1,3,5,13,15,23,45
8.6	Power series	1,5,7,13,19,33,37,39,40,41,45,46
8.7	Taylor series	1,3,9,12,15,17,21,24,30,44,52,53,54
8.8	Applications	1,5,15,19,23,25,33,37,43,49,50
8.9	Fourier series	1,2,4,5,6,15,16,24
8.10	Fourier sine and cosine series	1,2,3,9,10,11,17,19