LECTURE SCHEDULE, MAT 142, Fall 2005

Week of	Sections	Holidays and Exams
8/29	7.1-7.4	**First Lecture, Monday 9/29**
9/5	7.7-7.8	**No class, Mon 9/5**
9/12	8.1-8.3	
9/19	8.4,8.5,8.7	
9/26	8.8, review	
10/3	exam	**No class Mon-Wed 10/3-10/5**
		First exam, Friday 10/7
10/10	9.1-9.2	
10/17	9.3-9.4	
10/24	11.1-11.2	
10/31	11.3-11.4	
11/7	review,exam	**Second exam Friday 11/11**
11/14	11.5-11.6	
11/21	11.7-11.8	
11/28	11.9	**No class Wed-Fri**
12/5	11.10-11.11	
12/12	review, final	**Final, Fri Dec 16, 11-1:30**

HOMEWORK, MAT 142, Fall 2005

Section:	Topic	Problems:
7.1	Inverse functions	34,36,48,49,50
7.2	Natural Logs	28,32,42,75,77a
7.3	Exponential function	38,60,68,74,82
7.4	Base a exponentials	40,62,88,89,92
7.7	Inverse Trig functions	14,74,104, 119,127,128,147
7.8	Hyperbolic functions	44,60,77,79,85
8.1	Integration formulas	18,38,44,50,54,66
8.2	Integration by parts	31,33,37,44
8.3	Partial fractions	12,20,22,45,50,51
8.4	Trig integrals	10,16,24,34,45,46
8.5	Trig substitutions	12,26,41,44
8.7	Numerical integration	33,34, 47,48,49,51
8.8	Improper integrals	36,44,50,58,65,66,67,69
9.1	Slope fields, separable eqns	10,12,14,19-22
9.2	First order eqns	6,10,16, 26,32,34
9.3	Euler's method	2,3,11,12,13
9.4	Autonomous eqns	2,4,10, 18bcd
11.1	Sequences	24,36,46,50,90,117,125,127
11.2	Infinite series	8,16,26,36,40,66,71,75,77
11.3	Integral test	2,10,14,22,32,37,38,39,42
11.4	Comparison tests	2,8,14,28,36,38,40
11.5	Ratio and root test	2,8,14,22,30,45,47
11.6	Alternating series, abs. conv.	2,6,14,22,34,54,57,61a
11.7	Power series	8,16,28,39,41,42,46
11.8	Taylor series	2,4,8,21,26, 29
11.9	Convergence of Taylor series	2,5,8,13,25,30a
11.10	Applications	3,14,19,37,39,58,66
11.11	Fourier series	3,4,5,16