LECTURE SCHEDULE, MAT 122, Fall 2004

Week of	Sections	Holidays and Exams
8/30	1.1, 1.2	**First Lecture, Tuesday 8/31**
9/6	1.3, 1.5	**No class Monday, Sept. 6**
9/13	1.6, 1.7	
9/20	1.8, 1.9	
9/27	review, 2.1	**First Exam, Wed Sept 29, 8:30pm**
10/4	2.2, 2.4,	
10/11	3.1, 3.2	
10/18	3.3, 3.4	
10/25	4.1, 4.2	
11/1	4.3, 4.4	
11/8	5.1,review	**Second Exam, Thur, Nov 11, 8:30pm**
11/15	5.2, 5.3	
11/22	5.5	**No class Th-Fri**
11/29	7.1, 7.2	
12/6	7.3, review	**Final, Mon, Dec 13, 11-1:30**

HOMEWORK, MAT 122, Fall 2004

Section:	Topic	Problems:
1.1	What is a function?	2,6,8,10,14,16,24
1.2	Linear functions	2,4,6,8,10,16,20,24
1.3	Rates of change	5,6,7,10,16,18,26,28,30
1.5	Exponential functions	2,6,8,10,12,16,22,26
1.6	The natural logarithm	2,6,10,16,22,26,28,36,40
1.7	Exponential growth	2,4,6,10,12,20,26,30,32,38
1.8	New functions from old	2,4,6,10,12,14,16,20,26,32
1.9	Power functions	2,6,10,16,18,20,35,36
2.1	Instantaneous growth	2,3,4,6,12,14,22,24
2.2	The derivative function	1,2,3,4,8,10,12,16,20,26
2.4	The second derivative	2,4,8,10,12,14,16,18,23,24
3.1	Differentiating power functions	2,6,10,14,16,20,24,32,36,40
3.2	Exponentials and logarithms	4,8,12,16,20,22,28,34,36
3.3	The chain rule	4,10,14,18,22,26,30,32,40
3.4	Product and quotient rules	2,6,10,14,28,22,26,30,34,38
4.1	Local mins and maxs	2,4,6,8,10,12,16,24,26
4.2	Inflection points	2,4,8,10,12,20,22,24,26,28
4.3	Global mins and maxs	4,6,8,10,12,18,24,28,32
4.4	Profit, cost and revenue	4,6,8,12,14
5.1	Accumulated change	4,7,10,12,14,16
5.2	The definite integral	2,4,6,10,12,14,26
5.3	The integral as area	1,2,4,6,8,14,18,22,24,26,28
5.5	The fundamental theorem	2,4,6,10,12
7.1	Antiderivatives	2,6,10,14,16,22,24,26,32,38,42
7.2	Substitution	2,4,8,14,16,26,30,32,38,40
7.3	Definite integrals	2,6,10,12,14,16,24,26,29,36,38