Math 126
Spring, 2003
Syllabus by Date

7.1	01/15	Wed.	Inverse functions
7.2*	01/17	Fri.	The natural logarithmic function
7.3*	01/20	Mon.	The natural exponential function
	01/21	Tue.	Quiz 01
7.4*	01/22	Wed.	General logarithmic and exponential functions
7.5	01/24	Fri.	Inverse trigonometric functions
7.7	01/27	Mon.	Indeterminate forms and L'Hospital's rule
	01/28	Tue.	Quiz 02
8.1	01/29	Wed.	Integration by parts
8.2	01/31	Fri.	Trigonometric integrals
	02/03	Mon.	Review for Exam 1
	02/04	Tue.	Exam 1
8.3	02/05	Wed.	Trigonometric substitution
8.4	02/07	Fri.	Integration of rational functions by partial fractions
8.5			Strategy for integration
8.7	02/10	Mon.	Approximate integration
	02/11	Tue.	Quiz 03
8.8	02/12	Wed.	Improper integrals
9.1	02/14	Fri.	Arc length
9.2	02/17	Mon.	Area of a surface of revolution
	02/18	Tue.	Quiz 04
9.3	02/19	Wed.	Applications to physics and engineering
10.1	02/21	Fri.	Modeling with differential equations
10.3			Separable equations
10.4	02/24	Mon.	Exponential growth and decay
	02/25	Tue.	Quiz 05
10.6	02/26	Wed.	Linear equations
11.1	02/28	Fri.	Curves defined by parametric equations
11.2	03/03	Mon.	Tangents and areas
	03/04	Tue.	Quiz 06
11.3	03/05	Wed.	Arc length and surface area
11.4	03/07	Fri.	Polar coordinates
	03/10	Mon.	Spring Break
	03/12	Wed.	Spring Break

	03/14	Fri.	Spring Break
	03/17	Mon.	Review for Exam 2
	03/18	Tue.	Exam 2
11.5	03/19	Wed.	Areas and lengths in polar coordinates
11.6	03/21	Fri.	Conic sections
11.7			Conic sections in polar coordinates
12.1	03/24	Mon.	Sequences
	03/25	Tue.	Quiz 07
12.2	03/26	Wed.	Series
12.3	03/28	Fri.	The integral test and estimates of sums
12.4	03/31	Mon.	The comparison tests
	04/01	Tue.	Quiz 08
12.5	04/02	Wed.	Alternating series
12.6	04/04	Fri.	Absolute convergence and the ratio and root tests
12.7	04/07	Mon.	Strategy for testing series
	04/08	Tue.	Quiz 09
12.8	04/09	Wed.	Power series
12.9	04/11	Fri.	Representations of functions as power series
12.10	04/14	Mon.	Taylor and Maclaurin series
	04/16	Wed.	Review for Exam 3
	04/17	Thur.	Exam 3
	04/18	Fri.	Easter Break
	04/21	Mon.	Easter Break
	04/22	Tue.	Quiz 10
12.11	04/23	Wed.	The binomial series
12.12	04/25	Fri.	Applications of Taylor polynomials
	04/28	Mon.	Review for Final
	04/30	Wed.	Review for Final