Math 126
Spring, 2004
Syllabus by Date

1	01/14	Wed.	Inverse functions
2*	01/16	Fri.	The natural logarithmic function
3*	01/19	Mon.	The natural exponential function
	01/20	Tue.	Quiz 1
4*	01/21	Wed.	General logarithmic and exponential functions
5	01/23	Fri.	Inverse trigonometric functions
6	01/26	Mon.	Hyperbolic functions
	01/27	Tue.	Quiz 2
7	01/28	Wed.	Indeterminate forms and L'Hospital's rule
1	01/30	Fri.	Integration by parts
	02/02	Mon.	Review for Exam 1
	02/03	Tue.	Exam 1
2	02/04	Wed.	Trigonometric integrals
3	02/06	Fri.	Trigonometric substitution
4	02/09	Mon.	Integration of rational functions by partial fractions
5			Strategy for integration
	02/10	Tue.	Quiz 3
6	02/11	Wed.	Integration using tables and computer algebra systems
7	02/13	Fri.	Approximate integration
8	02/16	Mon.	Improper integrals
	02/17	Tue.	Quiz 4
1	02/18	Wed.	Arc length
2	02/20	Fri.	Area of a surface of revolution
3	02/23	Mon.	Applications to physics and engineering
	02/24	Tue.	Quiz 5
4	02/25	Wed.	Applications to economics and biology
5	02/27	Fri.	Probability
).1	03/01	Mon.	Modeling with differential equations
	03/02	Tue.	Quiz 6
).2	03/03	Wed.	Direction fields and Euler's method
).3			Separable equations
).4	03/05	Fri.	Exponential growth and decay
	03/08	Mon.	Spring Break
	03/09	Tue.	Spring Break
	03/10	Wed.	Spring Break
	03/12	Fri.	Spring Break
	03/15	Mon.	Review for Exam 2
	03/16	Tue.	Exam 2

).6 03/17 Wed. Linear equations
..1 03/19 Fri. Curves defined by parametric equations
..2   Calculus with Parametric Curves

..3 03/22 Mon. Polar coordinates
     03/23 Tue. Quiz 7
..4 03/24 Wed. Areas and lengths in polar coordinates
!.1 03/26 Fri. Sequences

!.2 03/29 Mon. Series
     03/30 Tue. Quiz 8
!.3 03/31 Wed. The integral test and estimates of sums
!.4 04/02 Fri. The comparison tests

!.5 04/05 Mon. Alternating series
     04/06 Tue. Quiz 9
!.6 04/07 Wed. Absolute convergence and the ratio and root tests
     04/09 Fri. Easter Break

     04/12 Mon. Easter Break
     04/13 Tue. Quiz 10
!.7 04/14 Wed. Strategy for testing series
!.8 04/16 Fri. Power series

     04/19 Mon. Review for Exam 3
     04/20 Tue. Exam 3
!.9 04/21 Wed. Representations of functions as power series
!.10 04/23 Fri. Taylor and Maclaurin series
!.11   The binomial series

     04/26 Mon. Review for Final
     04/28 Wed. Review for Final