

Math 10560 – Spring 2008
Syllabus by Date

01/16	Wed.	7.1. Inverse Functions
01/18	Fri.	7.2*. The Natural Logarithmic Function
01/21	Mon.	7.3*. The Natural Exponential Function
01/22	Tue.	Quiz 1
01/23	Wed.	7.4*. General Logarithmic and Exponential Function
01/25	Fri.	7.5. Exponential Growth and Decay
01/28	Mon.	7.6. Inverse Trigonometric Functions
01/29	Tue.	Quiz 2
01/30	Wed.	7.7. Hyperbolic Functions
02/01	Fri.	7.8. Indeterminate Forms and L'Hospital's Rule
02/04	Mon.	8.1. Integration by Parts
02/05	Tue.	Quiz 3
02/06	Wed.	8.2. Trigonometric Integrals
02/08	Fri.	8.3. Trigonometric Substitution
02/11	Mon.	8.4. Integration of Rational Functions by Partial Fractions
02/12	Tue.	No Tutorial
02/13	Wed.	Review for Exam 1
02/14	Thu.	Exam 1
02/15	Fri.	8.5. Strategy for Integration
02/18	Mon.	8.7. Approximate Integrals
02/19	Tue.	Quiz 4
02/20	Wed.	8.8. Improper Integrals
02/22	Fri.	9.1. Arc Length
02/25	Mon.	9.2. Area of a Surface of Revolution
02/26	Tue.	Quiz 5
02/27	Wed.	9.3. Applications to Physics and Engineering
02/29	Fri.	10.2. Direction Fields and Euler's Method
03/03	Mon.	Spring Break
03/04	Tue.	Spring Break
03/05	Wed.	Spring Break
03/07	Fri.	Spring Break
03/10	Mon.	10.3. Separable Equations
03/11	Tue.	Quiz 6
03/12	Wed.	10.5. Linear Equations
03/14	Fri.	12.1. Sequences
03/17	Mon.	Review for Exam 2
03/18	Tue.	Exam 2
03/19	Wed.	12.2. Series
03/21	Fri.	Easter Holiday

03/24 Mon. Easter Holiday
03/25 Tue. Quiz 7
03/26 Wed. 12.3. The Integral Test and Estimates of Sums
03/28 Fri. 12.4. The Comparison Tests

03/31 Mon. 12.5. Alternating Series
04/01 Tue. Quiz 8
04/02 Wed. 12.6. Absolute Convergence and the Ratio and Root Tests
04/04 Fri. 12.7. Strategy for Testing Series

04/07 Mon. 12.8. Power Series
04/08 Tue. Quiz 9
04/09 Wed. 12.9. Representations of Functions as Power Series
04/11 Fri. 12.10. Taylor and Maclaurin Series

04/14 Mon. 12.12. Applications of Taylor Polynomials
04/15 Tue. Quiz 10
04/16 Wed. 11.1. Curves Defined by Parametric Equations
04/18 Fri. 11.2. Calculus with Parametric Curves

04/21 Mon. Review for Exam 3
04/22 Tue. Exam 3
04/23 Wed. 11.3. Polar Coordinates
04/25 Fri. 11.4. Areas and Lengths in Polar Coordinates

04/28 Mon. Review for Final
04/30 Wed. Review for Final

05/05 Mon. Final Exam