Schedule Math 3: Fall 2006				
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Sept. 18	Sept. 19	Sept. 20 Lecture 1 **2.1** The Tangent and Velocity Problems	Sept. 21	Sept. 22 Lecture 2 **2.2 & 2.3-** The Limit of a Function / Calculating Limits
Sept. 25 Lecture 3 **-2.3 & 2.5-** Calculating Limits / Continuity	Sept. 26 *First WeBWork homework sets due.*	Sept. 27 Lecture 4 **-2.5 & 2.6** Continuity / Tangents, Velocities and Other Rates of Change	Sept. 28	Sept. 29 Lecture 5 **3.1 & 3.2** Derivatives/ The Derivative as a Function
Oct. 2 Lecture 6 **3.3** Differentiation Formulas	Oct. 3 *Last Day to Add/Drop*	Oct. 4 Lecture 7 **3.5** Derivatives of Trigonometric Functions	Oct. 5	Oct. 6 Lecture 8 **3.6-** The Chain Rule
Oct. 9 Lecture 9 **-3.6 -- 3.8** The Chain Rule / Implicit Differentiation / Higher Derivatives	Oct. 10	Oct. 11 Lecture 10 **3.9** Related Rates	Oct. 12	Oct. 13 Lecture 11 **4.1 & 4.2-** Maximum and Minimum Values / The Mean Value Theorem
Oct. 16 Lecture 12 **-4.2 & 4.3-** The Mean Value Theroem / How Derivatives Affect the Shape of a Graph	Oct. 17 *Exam I*	Oct. 18 Lecture 13 **-4.3 & 4.4** Shape of Graph / Limits at Infinity; Horizontal Asymptotes	Oct. 19	Oct. 20 Lecture 14 **4.5** Summary of Curve Sketching
Oct. 23 Lecture 15 **4.7** Optimization Problems	Oct. 24	Oct. 25 Lecture 16 **3.10 & 4.10-** Linearization and Differentials / Antiderivatives	Oct. 26	Oct. 27 Lecture 17 **-4.10 & 5.1** Antiderivatives / Areas and Distances

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Oct. 30 Lecture 18 **5.2** The Definite Integral	Oct. 31	Nov. 1 Lecture 19 **5.3 & 5.4-** The Fundamental Theorem of Calculus / Indefinite Integrals and the Net Change Theorem	Nov. 2	Nov. 3 Lecture 20 **-5.4 & 5.5** Indefinite Integrals and the Net Change Theorem / The Substitution Rule
Nov. 6 Lecture 21 **6.1 & 6.2-** Areas Between Curves / Volumes	Nov. 7	Nov. 8 Lecture 22 **-6.2 & 6.3** Volumes / Volumes by Cylindrical Shells	Nov. 9 *EXAM II*	Nov. 10 Lecture 23 **7.1** Inverse Functions *Last day to drop*
Nov. 13 Lecture 24 **7.2*** The Natural Logarithmic Function	Nov. 14	Nov. 15 Lecture 25 **7.3* & 7.4*** The Natural Exponential Function / General Logarithmic and Exponential Functions	Nov. 16	Nov. 17 Lecture 26 **7.5** Inverse Trigonometric Functions
Nov. 20 Lecture 27 **7.7** Indeterminate Forms and L'Hospital's Rule	Nov. 21	Nov. 22 *NO CLASS* Thanksgiving	Nov. 23	Nov. 24 *NO CLASS* Thanksgiving
Nov. 27 Lecture 28 **8.1** Integration by Parts	Nov. 28	Nov. 29 Review *Last Lecture*	Nov. 30 *Reading period*	Dec. 1 *Reading period*

SATURDAY
Dec. 2 *FINAL EXAM*