

**WebCalc -- Engineering Calculus I
Tentative Weekly Schedule**

Week	Sections	Additional Information
1	5 Vectors	Review Sections 1,2 & 3 Maplet: Shifting Functions
2	6 Limits 7 Continuity	3 Maplets: Left and Right Limits and Continuity
3	8 The Derivative 9 Formulas for Derivatives	2 Maplets: From Secant Slopes to Tangent Slopes
4	10 Notation for Derivatives 14 Higher Order Derivatives	2 Maplet: Computing Tangent Lines, Computing Derivatives
5	11 Mean Value Theorem 12 Chain Rule	Review Section 4 Exam I – Thu, Sep 30
6	19 Trigonometric Derivatives 13 Implicit Differentiation, Related Rates, Differentials	2 Maplets: Implicit Differentiation, Related Rates
7	15 Parametric Curves, Velocity and Acceleration 23 Newton’s Method	
8	16 Exponential Functions 17 Inverse Functions 18 Logarithmic Functions	Maplet: Derivatives of Inverse Functions
9	20 Applications to Economics 21 Radioactive Decay 22 Applications to Other Sciences	Exam II – Thu, Oct 28
10	24 Inverse Trigonometric Functions 25 L’Hopital’s Rule 26 Introduction to Curve Sketching	Review 7.5 & 11 4 Maplets: Properties of the Graph of a Function
11	27 Concavity 28 Asymptotes 29 Optimization	
12	31 Antiderivatives 32 Introduction to the Integral	
13	33 Fundamental Theorem of Calculus	
14	34 Integration by Substitution	Exam III – Tue, Nov 30
15	Review for Final	