

Math 105 Fall 2007 Schedule

Week Starting	Text Sections	Other Activities
Sep 3 (W[R]F only)	1.1: Functions, Calculus Style 1.2: Graphs	Lab Sign-up Algebra Diagnostic
Sep 10	1.3: Field Guide to Elementary Functions 1.4: Amount Functions and Rate Functions 1.6: The Geometry of Derivatives	MSW Review: Algebra (Wed, Thu 7 p.m.)†
Sep 17	1.7: The Geometry of Higher-Order Derivatives 1.5: Estimating Derivatives 2.1: Defining the Derivative	Lab: Understanding Derivatives Graphically
Sep 24	2.2: Derivatives of Powers and Polynomials 2.3: Limits 2.4: Using Derivative and Antiderivative Formulas	MSW Review: Trig and Inverses (Wed, Thu 7 p.m.)†
Oct 1	2.5: Differential Equations; Modeling Motion Review	Lab: Limits, Finding Derivatives Analytically Review (Wed 7 p.m.)* Exam (Friday in class)
Oct 8	2.6: Derivatives of Exponentials, Logs; 2.7: Derivatives of Trig Functions; Modeling 3.1: Product and Quotient Rules	
Oct 15 (M only)	3.2: Composition and Chain Rule	
Oct 22	3.3: Implicit Functions; Implicit Differentiation 3.4: Inverse Functions and their Derivatives 3.5: Miscellaneous Derivatives and Antiderivatives	Lab: Techniques of Differentiation
Oct 29	4.2: More on Limits: Infinity and L'Hopital's Rule 4.3: Optimization	
Nov 5	4.6: Newton's Method Review	Lab: Optimization Review (Wed 7 p.m.)* Exam (Friday in class)
Nov 12	4.5: Related Rates 4.8: Why Continuity Matters; IVT and EVT 4.9: Why Differentiability Matters; MVT	
Nov 19	Thanksgiving Recess	
Nov 26	5.1: Areas and Integrals 5.2: The Area Function 5.3: The Fundamental Theorem of Calculus	Lab: Related Rates and Key Theorems
Dec 3	5.6: Approximating Sums; Integral as Limit 5.7: Working with Sums Review (optional)	
Dec 10		Review I (Mon 1 p.m.)* Review II (Wed 7 p.m.)* Final (Thur 3:45 p.m., location TBA)

†These reviews will take place in Hathorn 104.

*These reviews will take place in Pettengill G52.