

Math 105 Winter 2007 Schedule

Week Starting	Text Sections	Other Activities
Jan 8	1.1: Functions, Calculus Style 1.2: Graphs 1.3: Field Guide to Elementary Functions	Lab Sign-up Algebra Diagnostic MSW Review: Algebra (Thur 7 p.m.)*
Jan 15 (WF only)	1.4: Amount Functions and Rate Functions 1.5: Estimating Derivatives	
Jan 22	1.6: The Geometry of Derivatives 1.7: The Geometry of Higher-Order Derivatives 2.1: Defining the Derivative	Lab: Understanding Derivatives Graphically MSW Review: Trig and Inverses (Wed 7 p.m.)*
Jan 29	2.2: Derivatives of Powers and Polynomials 2.3: Limits 2.4: Using Derivative and Antiderivative Formulas	
Feb 5	2.5: Differential Equations; Modeling Motion Review	Lab: Limits, Finding Derivatives Analytically Review (Wed 7 p.m.)* Exam (Friday in class)
Feb 12	2.6: Derivatives of Exponentials, Logs; 2.7: Derivatives of Trig Functions; Modeling	
Feb 19	3.1: Product and Quotient Rules Winter Recess	
Feb 26	3.2: Composition and Chain Rule 3.3: Implicit Functions; Implicit Differentiation 3.4: Inverse Functions and their Derivatives	Lab: Techniques of Differentiation
Mar 5	3.5: Miscellaneous Derivatives and Antiderivatives 4.2: More on Limits: Infinity and L'Hopital's Rule 4.3: Optimization	
Mar 12	4.3: Optimization (continued) 4.8: Why Continuity Matters (IVT only) Review	Lab: Optimization Review (Wed 7 p.m.)* Exam (Friday in class)
Mar 19	4.8: Why Continuity Matters (EVT) 4.9: Why Differentiability Matters (MVT) 4.5: Related Rates 5.1: Areas and Integrals	
Mar 26	5.2: The Area Function 5.3: The Fundamental Theorem of Calculus 5.6: Approximating Sums; Integral as Limit	Lab: Related Rates, Areas
Apr 2	5.6: (continued) 5.7: Working with Sums Review	
Apr 9	No class	Review I (Sun 7 p.m.)* Review II (Mon 1 p.m.)* Final (Tue 8 a.m.)

* All reviews take place in Hathorn 104.