

Math 105 Winter 2007 Schedule

| Week Starting | Text Sections | Other Activities |
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| 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.