

MAC 2233 Timeline

- 5/8 – 5/12:** Syllabus, 1.2, 1.3, 1.4 (optional): Review of lines, slope, cost/revenue/profit, demand/supply, regression (section 1.4) is optional
- 5/15 – 5/19:** 3.1 – 3.3: Limits (compute numerically, graphically and algebraically) and continuity of functions
- 5/22 – 5/26:** 3.4: Average and instantaneous rates of change, Ch 1-3 Exam
- 5/29 – 6/2:** 3.5, 3.6: Introduction to limit definition of derivative (graphical and algebraic)
- 6/5 – 6/9:** 4.1 – 4.3: Power, constant multiple, sum/difference rules, L'Hospital's rule, applications of derivative (marginal and average cost), product/quotient rules
- 6/12 – 6/16:** 4.4 – 4.6: Chain rule, derivatives of exponential and log functions, implicit differentiation
- 6/19 – 6/23:** Ch 4 Exam, 5.1, 5.2: Relative and absolute max/min, applications of max/min
- 6/26 – 6/30:** 5.3, 5.4: 2nd and higher order derivatives, concavity, applications of 2nd derivative, 2nd derivative test for max/min, graphs of functions
- 7/3 – 7/7:** 5.5, 5.6: Related rates, elasticity of demand and income, Ch 5 Exam
- 7/10 – 7/14:** 6.1, 6.2, 6.3: Indefinite integrals, u-substitution, Riemann sums (left, right, midpoint)
- 7/17 – 7/21:** 6.4, 7.1, 7.2: area under curve, Fundamental Theorem of Calculus, definite integrals, integration by parts, area between 2 curves
- 7/24 – 7/28:** 7.3: average value of a function, Ch 6-7 Exam, review for final
- 7/31 – 8/1:** Cumulative final