

MAC 2312 – Calculus II
Tentative Schedule Summer 2019 – Professor Kincade

Week/Dates (Mon – Sun)	
May 6 -12	Intro Review 5.5 The Substitution Rule 7.1 Integration by Parts 6.1 Areas Between Curves
May 13 - 19	6.2 Volumes 6.3 Volumes by Cylindrical Shells 6.4 Work
May 20 - 26	6.5 Average Value of a Function Test 1 (5.5, Ch. 6) 7.2 Trigonometric Integrals
May 27 – June 2	7.3 Trigonometric Substitution 7.4 Integration of Rational Functions by Partial Fractions 7.5 Strategy for Integration No Class on Monday, May 27, 2019
June 3 - 9	7.7 Approximation Integration 7.8 Improper Integrals Test #2 (Chapter 7) 11.1 Sequences
June 10 - 16	11.2 Series 11.3 The Integral Test and Estimate of Sums 11.4 The Comparison Tests
June 17 - 23	11.5 Alternating Series

	11.6 Absolute Convergence and the Ratio and Root Tests 11.7 Strategy for Testing Series
June 24 - 30	11.8 Power Series 11.9 Representation of Functions as Power Series Test #3 (11.1 – 11.7)
July 1 - 7	11.9 Representation of Functions as Power Series (cont) 11.10 Taylor and Maclaurin Series 11.11 Applications of Taylor Polynomials <i>No Class on Thursday, July 4, 2019</i>
July 8 - 14	8.1 Arc Length 8.2 Area of a Surface of Revolution Test #4 (11.8 – 11.11) 10.1 Curves Defined by Parametric Equations
July 15 - 21	10.2 Calculus with Parametric Curves 10.3 Polar Coordinates 10.4 Areas and Lengths in Polar Coordinates
July 22 - 28	10.5 Conic Sections 10.6 Conic Sections in Polar Coordinates Test #5 (Ch 8 and 10)
July 29 - 30	Final Exam Review <i>Final Exam</i>

***Disclaimer: Changes to the syllabus can be made at any time at the discretion of the professor.**