

Math 21200-PR/RS: Calculus II, spring 2020

DATE	AGENDA
T 1/28	Welcome, 7.1 The Logarithm Defined as an Integral [1], 7.3 Hyperbolic Functions [1]
TH 1/30	8.1 Using Basic Integration Formulas [1], 8.2 Integration by Parts [1]
T 2/4	8.2 Integration by Parts [1], 8.3 Trigonometric Integrals [1]
TH 2/6	8.4 Trigonometric Substitution [2]
T 2/11	8.5 Integration of Rational Functions by Partial Fractions [1.5], 8.7 Numerical Integration [.5] (omit error estimates)
TH 2/13	8.7 Numerical Integration [.5] (omit error estimates), 8.8 Improper Integrals [1.5]
T 2/18	8.8 Improper Integrals [.5], 10.1 Sequences [1], 10.2 Infinite Series (omit example 5) [.5]
TH 2/20	10.2 Infinite Series (omit example 5) [1], 10.3 The Integral Test [1]
T 2/25	10.3 The Integral Test [.5], 10.4 Comparison Tests [1.5]
TH 2/27	Exam 1: Integration (7.1, 7.3, 8.1-5, 8.7-8)
T 3/3	10.4 Comparison Tests [.5], 10.5 Absolute Convergence; The Ratio and Root Tests [1.5]
TH 3/5	10.6 Alternating Series and Conditional Convergence [2]
T 3/10	10.7 Power Series (omit multiplication of series) [2]
TH 3/12	
T 3/17	
TH 3/19	
T 3/24	10.8 Taylor and Maclaurin Series [2]
TH 3/26	10.9 Convergence of Taylor Series (omit theorem 24) [1], 10.10 Applications of Taylor Series (Evaluating Non-elementary Integrals only) [.5]
TH 4/2	11.1 Parametrizations of Plane Curves [2] (Exam 2: Sequences and Series (10.1-10) posted online)
T 4/14	11.3 Polar Coordinates [2]
TH 4/16	12.1 Three-Dimensional Coordinate Systems [1], 12.2 Vectors (omit applications) [1]
T 4/21	12.2 Vectors (omit applications) [.5], 12.3 The Dot Product (omit work) [1.5]
TH 4/23	12.4 The Cross Product (omit torque) [1.5], 12.5 Lines and Planes in Space [.5]
T 4/28	12.5 Lines and Planes in Space [2],
TH 4/30	12.6 Cylinders and Quadric Surfaces [2]
T 5/5	12.6 Cylinders and Quadric Surfaces [.5], 14.1 Functions of Several Variables [1]
TH 5/7	14.2 Limits and Continuity in Higher Dimensions (omit computing epsilon-delta, only cover epsilon-delta definition) [2]
T 5/12	14.3 Partial Derivatives [1.5]
TH 5/14	Overflow/Review
TBD	Optional Review
TBD	Final Exam

