

MA 16010 Applied Calculus I

Calendar (Traditional and Distance), Fall 2016

Exam 1: Lesson 2-10 Exam 2: Lesson 11-18 Exam 3: Lesson 19-28

Date	Lesson	Topics
8/22 Mon	1	Course Information; Quiz 1 (no calculators)
8/24 Wed	2	Finding Limits Numerically; CCI (no calculators)
8/26 Fri	3	One-sided Limits; Finding Limits Graphically
8/29 Mon	4	Finding Limits Analytically
8/31 Wed	5	Continuity
9/2 Fri	6	The Derivative
9/5 Mon		Labor Day (No Classes)
9/7 Wed	7	Basic Rules of Differentiation; Derivatives of the Sine and Cosine Functions; Derivative of the Natural Exponential Function
9/9 Fri	8	Instantaneous Rates of Change
9/12 Mon	9	The Product Rule
9/14 Wed	10	The Quotient Rule; Derivatives of the Other Trigonometric Functions
9/16 Fri	11	The Chain Rule
9/19 Mon		REVIEW FOR EXAM 1
9/19 Mon		EXAM 1 Time: 8:00-9:00pm Location: ELLT 116
9/21 Wed	12	The Chain Rule; Derivative of the Natural Logarithmic Function
9/23 Fri	13	Higher Order Derivatives
9/26 Mon	14	Implicit Differentiation
9/28 Wed	15	Related Rates
9/30 Fri	16	Related Rates
10/3 Mon	17	Relative Extrema and Critical Numbers
10/5 Wed	18	Increasing and Decreasing Functions and the First Derivative Test
10/7 Fri	19	Concavity, Inflection Points and the Second Derivative Test
10/10 Mon		Fall Break (No Classes)
10/12 Wed	20	Absolute Extrema on an Interval
10/14 Fri		REVIEW FOR EXAM 2
10/17 Mon		OPTIONAL REVIEW FOR EXAM 2
10/17 Mon		EXAM 2 Time: 8:00-9:00pm Location: ELLT 116
10/19 Wed	21	Graphical Interpretation of Derivatives
10/21 Fri	22	Limits at Infinity
10/24 Mon	23	A Summary of Curve Sketching
10/26 Wed	24	Optimization
10/28 Fri	25	Optimization
10/31 Mon	26	Optimization
11/2 Wed	27	Antiderivatives and Indefinite Integration
11/4 Fri	28	Antiderivatives and Indefinite Integration

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Date	Lesson	Topics
11/7 Mon		REVIEW FOR EXAM 3
11/8 Tues		EXAM 3 Time: 8:00-9:00pm Location: ELLT 116
11/9 Wed	29	Area and Riemann Sums
11/11 Fri	30	Definite Integrals
11/14 Mon	31	The Fundamental Theorem of Calculus
11/16 Wed	32	The Fundamental Theorem of Calculus
11/18 Fri	33	Numerical Integration
11/21 Mon		No Classes
11/23 Wed		Thanksgiving Vacation (No Classes)
11/25 Fri		Thanksgiving Vacation (No Classes)
11/28 Mon	34	Exponential Growth
11/30 Wed	35	Quiz 15 (no calculators); CCI (no calculators)
12/2 Fri	36	Exponential Decay
12/5 Mon		REIVEW FOR FINAL EXAM
12/7 Wed		REVIEW FOR FINAL EXAM
12/9 Fri		OPTIONAL REVIEW FOR FINAL EXAM
12/12-12/17		WEEK OF FINAL EXAMS