

MA 16010 Applied Calculus I

Calendar (Traditional and Distance), Fall 2015

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

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

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Date	Lesson	Topics
11/9 Mon	28	Antiderivatives and Indefinite Integration
11/11 Wed	29	Area and Riemann Sums
11/13 Fri	30	Definite Integrals
11/16 Mon		REVIEW FOR EXAM 3
11/18 Wed		OPTIONAL REVIEW FOR EXAM 3
11/18 Wed		EXAM 3 Time: 6:30-7:30pm Location: ELLT 116
11/20 Fri	31	The Fundamental Theorem of Calculus
11/23 Mon	32	The Fundamental Theorem of Calculus
11/25 Wed		Thanksgiving (No Classes)
11/27 Fri		Thanksgiving (No Classes)
11/30 Mon	33	Numerical Integration
12/2 Wed	34	Exponential Growth
12/4 Fri	35	Quiz 15; CCI
12/7 Mon	36	Exponential Decay
12/9 Wed		REVIEW FOR FINAL EXAM
12/11 Fri		REVIEW FOR FINAL EXAM
12/14-12/19		WEEK OF FINAL EXAMS