MA 16010 Applied Calculus I

Calendar (Traditional and Distance), Fall 2017

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

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

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Date	Lesson	Topics
11/6 Mon	29	Area and Riemann Sums
11/8 Wed	30	Definite Integrals
11/10 Fri		REVIEW FOR EXAM 3
11/13 Mon		**NO CLASSES**
11/13 Mon		**EXAM 3 Time: 6:30-7:30pm Location: ELLT 116**
11/15 Wed	31	The Fundamental Theorem of Calculus
11/17 Fri	32	The Fundamental Theorem of Calculus
11/20 Mon		**NO CLASSES**
11/22 Wed		**THANKSGIVING VACATION (NO CLASSES)**
11/24 Fri		**THANKSGIVING VACATION (NO CLASSES)**
11/27 Mon	33	Numerical Integration
11/29 Wed	34	Exponential Growth
12/1 Fri	35	CCI (no calculators)
12/4 Mon	36	Exponential Decay
12/6 Wed		REVIEW FOR FINAL EXAM
12/8 Fri		REVIEW FOR FINAL EXAM
12/11-12/16		WEEK OF FINAL EXAMS