MA 16010 Applied Calculus I

Calendar (Traditional and Distance), Spring 2018

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

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

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Date	Lesson	Topics
4/2 Mon	28	Antiderivatives and Indefinite Integration
4/4 Wed	29	Area and Riemann Sums
4/6 Fri	30	Definite Integrals
4/9 Mon		REVIEW FOR EXAM 3
4/9 Mon		**Exam 3: 6:30-7:30pm**
4/11 Wed	31	The Fundamental Theorem of Calculus
4/13 Fri	32	The Fundamental Theorem of Calculus
4/16 Mon	33	Numerical Integration
4/18 Wed	34	Exponential Growth
4/20 Fri	35	CCI (no calculators)
4/23 Mon	36	Exponential Decay
4/25 Wed		REVIEW FOR FINAL EXAM
4/27 Fri		REVIEW FOR FINAL EXAM
4/30-5/5		WEEK OF FINAL EXAMS