MA 16010 Applied Calculus I
Calendar (Traditional), Spring 2019

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

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

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Date	Lesson	Topics
4/1 Mon	29	Area and Riemann Sums
4/3 Wed		REVIEW FOR EXAM 3
4/4 Thur		**Exam 3: 6:30-7:30pm**
4/5 Fri		**No Classes**
4/8 Mon	30	Definite Integrals
4/10 Wed	31	Definite Integrals
4/12 Fri	32	The Fundamental Theorem of Calculus
4/15 Mon	33	The Fundamental Theorem of Calculus
4/17 Wed	34	Numerical Integration
4/19 Fri	35	Exponential Growth
4/22 Mon	36	Exponential Decay
4/24 Wed		REVIEW FOR FINAL EXAM
4/26 Fri		REVIEW FOR FINAL EXAM
4/29-5/4		WEEK OF FINAL EXAMS