MA 16010 Applied Calculus I
Calendar (Traditional), Spring 2020

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

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

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Date	Lesson	Topics
4/6 Mon	29	Area and Riemann Sums
4/8 Wed		Review for Exam 3
4/9 Thur		**Exam 3: 6:30-7:30pm**
4/10 Fri		**No Classes**
4/13 Mon	30	Definite Integrals
4/15 Wed	31	Definite Integrals
4/17 Fri	32	The Fundamental Theorem of Calculus
4/20 Mon	33	The Fundamental Theorem of Calculus
4/22 Wed	34	Numerical Integration
4/24 Fri	35	Exponential Growth
4/27 Mon	36	Exponential Decay
4/29 Wed		REVIEW FOR FINAL EXAM
5/1 Fri		REVIEW FOR FINAL EXAM
5/4-5/9		WEEK OF FINAL EXAMS