MA 16010 Applied Calculus I

Calendar (IMPACT), Spring 2017

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

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

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Date	Lesson	Topics
4/12 Wed	31 & 32	The Fundamental Theorem of Calculus; Worksheet 21
4/14 Fri	32 & 33	Numerical Integration; Worksheet 22
4/19 Wed	34	Exponential Growth Worksheet 23; Quiz 7
4/21 Fri	35	Quiz 8 (no calculators); CCI (no calculators)
4/26 Wed	36	Exponential Decay Worksheet 24
4/28 Fri		REVIEW FOR FINAL EXAM
5/1-5/6		WEEK OF FINAL EXAMS