

MA 16010 Applied Calculus I

Calendar (IMPACT), Fall 2016

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

Date	Lesson	Topics
8/24 Wed	1	Course Information; Quiz 1 (no calculators)
8/26 Fri	2 & 3	Finding Limits Numerically; One-sided Limits; Finding Limits Graphically; PW 1; WS 1; CCI (no calculators)
8/31 Wed	4 & 5	Finding Limits Analytically; Continuity; PW 2; WS 2
9/2 Fri	6	The Derivative; PW 3; WS 3; Quiz 2
9/7 Wed	7	Basic Rules of Differentiation; Derivatives of the Sine and Cosine Functions; Derivative of the Natural Exponential Function; PW 4; WS 4
9/9 Fri	8	Instantaneous Rates of Change; PW 5; WS 5; Quiz 3
9/14 Wed	9	The Product Rule; PW 6; WS 6
9/16 Fri	10	The Quotient Rule; Derivatives of the Other Trigonometric Functions; PW 7; WS 7; Quiz 4
9/19 Mon		EXAM 1 Time: 8:00-9:00pm Location: ELLT 116
9/21 Wed	11	The Chain Rule; PW 8; WS 8
9/23 Fri	12 & 13	The Chain Rule; Derivative of the Natural Logarithmic Function; Higher Order Derivatives; PW 9; WS 9
9/28 Wed	14	Implicit Differentiation; PW 10; WS 10
9/30 Fri	15	Related Rates; PW 11; WS 11; Quiz 5
10/5 Wed	16	Related Rates; PW 12; WS 12
10/7 Fri	17 & 18	Relative Extrema and Critical Numbers; Increasing and Decreasing Functions and the First Derivative Test; PW 13; WS 13
10/12 Wed	19	Concavity, Inflection Points and the Second Derivative Test; PW 14; WS 14
10/14 Fri	20	Absolute Extrema on an Interval; PW 15; WS 15; Quiz 6
10/17 Mon		EXAM 2 Time: 8:00-9:00pm Location: ELLT 116
10/19 Wed	21	Graphical Interpretation of Derivatives; PW 16; WS 16
10/21 Fri	22 & 23	Limits at Infinity; A Summary of Curve Sketching; PW 17; WS 17
10/26 Wed	24 & 25	Optimization; PW 18; WS 18
10/28 Fri	25 & 26	Optimization; PW 19; WS 19
11/2 Wed	27	Antiderivatives and Indefinite Integration; PW 20; WS 20; Quiz 7
11/4 Fri	28	Antiderivatives and Indefinite Integration; PW 21; WS 21
11/8 Tues		EXAM 3 Time: 8:00-9:00pm Location: ELLT 116
11/9 Wed	29 & 30	Area and Riemann Sums; Definite Integrals; PW 22; WS 22
11/11 Fri	31	The Fundamental Theorem of Calculus; PW 23; WS 23

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Date	Lesson	Topics
11/16 Wed	32	The Fundamental Theorem of Calculus; PW 24; WS 24
11/18 Fri	33	Numerical Integration; PW 25; WS 25; Quiz 8
11/23 Wed		Thanksgiving Vacation (No Classes)
11/25 Fri		Thanksgiving Vacation (No Classes)
11/30 Wed	34	Exponential Growth PW 26; WS 26
12/2 Fri	35	Quiz 9 (no calculators); CCI (no calculators)
12/7 Wed	36	Exponential Decay
12/9 Fri		REVIEW FOR FINAL EXAM
12/12-12/17		WEEK OF FINAL EXAMS