MA 16010 Applied Calculus I

Calendar (IMPACT), Fall 2015

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

Date	Lesson	Topics
8/25 Tues	1	Course Information; Quiz 1
8/27 Thur	2 & 3	Finding Limits Numerically; One-sided Limits; Finding Limits Graphically; CCI; Worksheet 1
9/1 Tues	4 & 5	Finding Limits Analytically; Continuity; PW 1; Worksheet 2
9/3 Thur	6	The Derivative; PW 2; Worksheet 3; Quiz 2
9/8 Tues	7	Basic Rules of Differentiation; Derivatives of the Sine and Cosine Functions; Derivative of the Natural Exponential Function; PW 3; Worksheet 4
9/10 Thur	8	Instantaneous Rates of Change; PW 4; Worksheet 5; Quiz 3
9/15 Tues	9	The Product Rule; PW 5; Worksheet 6
9/17 Thur	10	The Quotient Rule; Derivatives of the Other Trigonometric Functions; PW 6; Worksheet 7
9/22 Tues		OPTIONAL REVIEW FOR EXAM 1
9/22 Tues		**EXAM 1 Time: 8:00-9:00pm Location: ELLT 116**
9/24 Thur	11	The Chain Rule; PW 7; Worksheet 8
9/29 Tues	12 & 13	The Chain Rule; Derivative of the Natural Logarithmic Function; Higher Order Derivatives; PW 8; Worksheet 9
10/1 Thur	14 & 15	Implicit Differentiation; Related Rates; PW 9; Worksheet 10; Quiz 4
10/6 Tues	16	Related Rates; PW 10; Worksheet 11
10/8 Thur	17 & 18	Relative Extrema and Critical Numbers; Increasing and Decreasing Functions and the First Derivative Test; PW 11; Worksheet 12; Quiz 5
10/13 Tues		October Break (No Classes)
10/15 Thur	19 & 20	Concavity, Inflection Points and the Second Derivative Test; Absolute Extrema on an Interval; PW 12; Worksheet 13
10/20 Tues		OPTIONAL REVIEW FOR EXAM 2
10/21 Wed		**EXAM 2 Time: 8:00-9:00pm Location: ELLT 116**
10/22 Thur	21	Graphical Interpretation of Derivatives; PW 13; Worksheet 14; Quiz 6
10/27 Tues	22 & 23	Limits at Infinity; A Summary of Curve Sketching; PW 14; Worksheet 15
10/29 Thur	24	Optimization; PW 15; Worksheet 16; Quiz 7
11/3 Tues	25 & 26	Optimization; PW 16; Worksheet 17
11/5 Thur	27	Antiderivatives and Indefinite Integration; PW 17; Worksheet 18; Quiz 8
11/10 Tues	28	Antiderivatives and Indefinite Integration; PW 18; Worksheet 19
11/12 Thur	29 & 30	Area and Riemann Sums; Definite Integrals; PW 19; Worksheet 20; Quiz 9
11/17 Tues		OPTIONAL REVIEW FOR EXAM 3
11/18 Wed		**EXAM 3 Time: 6:30-7:30pm Location: ELLT 116**
11/19 Thur	31 & 32	The Fundamental Theorem of Calculus; PW 20; Worksheet 21

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Date	Lesson	Topics
11/24 Tues		No Classes
11/26 Thur		Thanksgiving (No Classes)
12/1 Tues	33 & 34	Numerical Integration; Exponential Growth PW 21; Worksheet 22; Quiz 10
12/3 Thur	35	Quiz 11; CCI
12/8 Tues	36	Exponential Decay Worksheet 23
12/10 Thur		REVIEW FOR FINAL EXAM
12/14-12/19		WEEK OF FINAL EXAMS