

Math 1133 Calendar – Spring 2015

Monday	T	Wednesday	TH	Friday	S	Sunday
1/12 Introductions Lectures: <ul style="list-style-type: none"> Finding Limits Graphically and Numerically Section 2.2	1/13	1/14 Lectures: <ul style="list-style-type: none"> Finding Limits Graphically and Numerically Evaluating Limits Algebraically with Limit Laws Sections 2.2, 2.3	1/15	1/16 Week 1 Activity due Lectures: <ul style="list-style-type: none"> Evaluating Limits Algebraically with Limit Laws Sections 2.2, 2.3	1/17	1/18 Getting To Know You Post due 10 pm on Discussion Board
1/19 Holiday	1/20	1/21 Lectures: <ul style="list-style-type: none"> One-sided Limits and Continuity Sections 2.4	1/22	1/23 Week 2 Activity due Evil Twin E.C. due Lectures: <ul style="list-style-type: none"> One-sided Limits and Continuity Infinite Limits Sections 2.4, 2.5	1/24	1/25 Quiz 1 due 10 pm work due next class 2.2, 2.3
1/26 Lectures: <ul style="list-style-type: none"> Infinite Limits Limits at Infinity Section 2.5, 4.5	1/27	1/28 Lectures: <ul style="list-style-type: none"> The Derivative and Tangent Line Problem Sections 3.1	1/29	1/30 Week 3 Activity due Lectures: <ul style="list-style-type: none"> The Derivative and Tangent Line Problem Basic Differentiation Rules and Rates of Change Section 3.1, 3.2	1/31	2/1 Quiz 2 due 10 pm work due next class 2.4, 2.5, 4.5, 3.1
2/2 Lectures: <ul style="list-style-type: none"> Basic Differentiation Rules and Rates of Change Review for Exam 1 Section 3.2	2/3	2/4 Week 4 Activity due EXAM 1	2/5	2/6 Lectures: <ul style="list-style-type: none"> Product and Quotient Rules and Higher-Order Derivatives Sections 3.3	2/7	2/8

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2/9 Lectures: <ul style="list-style-type: none"> Product and Quotient Rules and Higher-Order Derivatives Chain Rule Sections 3.3, 3.4	2/10	2/11 Student Success Day	2/12	2/13 Week 5 Activity due Lectures: <ul style="list-style-type: none"> Chain Rule Implicit Differentiation Section 3.4, 3.5	2/14	2/15 Quiz 3 due 10 pm work due next class 3.2, 3.3
2/16 Holiday	2/17	2/18 Maple #1 due Lectures: <ul style="list-style-type: none"> Implicit Differentiation Derivatives of Inverse Functions Sections 3.5, 3.6	2/19	2/20 Week 6 Activity due Lectures: <ul style="list-style-type: none"> Related Rates Sections 3.7	2/21	2/22 Quiz 4 due 10 pm work due next class 3.4, 3.5
2/23 Lectures: <ul style="list-style-type: none"> Related Rates Newton's Method Sections 3.7, 3.8	2/24	2/25 Lectures: <ul style="list-style-type: none"> Newton's Method Absolute Maxs and Mins Section – 3.8, 4.1	2/26	2/27 Week 7 Activity due Lectures: <ul style="list-style-type: none"> Absolute Maxs and Mins Review for Exam 2 Section – 4.1	2/28	3/1 Quiz 5 due 10 pm work due next class 3.6, 3.7, 3.8
3/2 Week 8 Activity due EXAM 2	3/3	3/4 Lectures: <ul style="list-style-type: none"> Rolle's Theorem and Mean Value Theorem Section 4.2	3/5	3/6 Derivative Gateway	3/7	3/8

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3/9 SPRING BREAK	3/10	3/11 SPRING BREAK	3/12	3/13 SPRING BREAK	3/14	3/15
3/16 Lectures: <ul style="list-style-type: none"> Rolle's Theorem and Mean Value Theorem First Derivative Test Section 4.2, 4.3	3/17	3/18 Lectures: <ul style="list-style-type: none"> First Derivative Test Concavity and the Second Derivative Test Section 4.3, 4.4	3/19	3/20 Week 9 Activity due Lectures: <ul style="list-style-type: none"> Concavity and the Second Derivative Test Curve Sketching Section 4.4, 4.6	3/21	3/22 Quiz 6 due 10 pm work due next class 4.1, 4.2
3/23 Lectures: <ul style="list-style-type: none"> Curve Sketching Optimization Problems Sections 4.6, 4.7	3/24	3/25 Lectures: <ul style="list-style-type: none"> Optimization Problems Differentials Sections 4.7, 4.8	3/26	3/27 Week 10 Activity due Lectures: <ul style="list-style-type: none"> Differentials L'Hopital's Rule Section 4.8, 8.7	3/28	3/29 Quiz 7 due 10 pm work due next class 4.3, 4.4, 4.6
3/30 Lectures: <ul style="list-style-type: none"> L'Hopital's Rule Antiderivatives Section 8.7, 5.1	3/31	4/1 Week 11 Activity due Lectures: <ul style="list-style-type: none"> Antiderivatives Review for Exam 3 Section 5.1	4/2	4/3 No School	4/4	4/5 Quiz 8 due 10 pm work due next class 4.7, 4.8, 8.7
4/6 Week 12 Activity due Exam 3	4/7	4/8 Lectures: <ul style="list-style-type: none"> Summation Notation and Area Section 5.2	4/9	4/10 Maple #2 due Lectures: <ul style="list-style-type: none"> Summation Notation and Area Riemann Sums Section 5.2, 5.3	4/11	4/12

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4/13 Lectures: <ul style="list-style-type: none"> • Riemann Sums • Area Functions Sections 5.3, 5.4	4/14	4/15 Lectures: <ul style="list-style-type: none"> • Area Functions • Pattern Recognition and U-substitution Sections 5.4, 5.5	4/16	4/17 Week 13 Activity due Lectures: <ul style="list-style-type: none"> • Pattern Recognition and U-substitution • Numerical Integration Sections 5.5, 5.6	4/18	4/19 Quiz 9 due 10 pm work due next class 5.1-5.3
4/20 Lectures: <ul style="list-style-type: none"> • Numerical Integration • Integration of Natural Logs Sections 5.6, 5.7	4/21	4/22 Lectures: <ul style="list-style-type: none"> • Integration of Natural Logs • Integration of Inverse Trig Functions Sections 5.7, 5.8	4/23	4/24 Week 14 Activity due Lectures: <ul style="list-style-type: none"> • Integration of Inverse Trig Functions • Hyperbolic Functions Sections 5.8, 5.9	4/25	4/26 Quiz 10 due 10 pm work due next class 5.4-5.6
4/27 Lectures: <ul style="list-style-type: none"> • Hyperbolic Functions • Differential Equations – Growth and Decay Sections 5.9, 6.2	4/28	4/29 Week 15 Activity due Lectures: <ul style="list-style-type: none"> • Separation of Variables Review for Exam 4 Sections 6.3	4/30	5/1 MinnMATYC?	5/2	5/3 Quiz 11 due 10 pm work due next class 5.7, 5.8, 5.9
5/4 Week 16 Activity due Exam 4	5/5	5/6 Final Review	5/7	5/8	5/9	5/10
5/11 Week 17 Activity due at Final Exam Tues 2-5 pm→	5/12 Final Exam	5/13	5/14	5/15 No School	5/16	5/17