

## Math 1133 Weekly Schedule

WEEK	DATES/SECTIONS	WATCH VIDEO LECTURES	ACTIVITY ASSIGNED	QUIZZES DUE
1	8/22 – 8/28  2.2, 2.3	Finding Limits Graphically and Numerically (2.2)  Evaluating Limits Algebraically with Limit Laws (2.3)	Week 1 Activity	Getting to Know You Discussion Post due (Sun. 8/28 10 pm)
2	8/29 – 9/4  2.4, 2.5, 4.5	One-sided Limits and Continuity (2.4)  Infinite Limits (2.5)  Limits at Infinity (4.5)	Week 2 Activity  Evil Twin Problem Extra Credit	
3	9/5 – 9/11 9/5 - Holiday  4.5, 3.1	Limits at Infinity (4.5)  Average Rates of Change (optional to watch)  The Derivative and Tangent Line Problem (3.1)	Week 3 Activity	WebAssign Quiz – Limits (due Sun. 9/11 10 pm) Sections: 2.2-2.5, 4.5 Work due Mon. 9/12
4	9/12 – 9/18  3.1, 3.2	The Derivative and Tangent Line Problem (3.1)  Basic Differentiation Rules and Rates of Change (3.2)	Week 4 Activity (due Wed. 9/14)  Maple #1 Activity (due Wed. 9/28)	EXAM 1 in class (Wed. 9/14)
5	9/19 – 9/25 9/21 – Student Success Day  3.3, 3.4	Product and Quotient Rules and Higher Order Derivatives (3.3)  The Chain Rule (3.4)	Week 5 Activity  SSD Extra Credit (due Mon. 9/26)	
6	9/26 – 10/2  3.5, 3.6, 3.7	Implicit Differentiation (3.5)  Derivatives of Inverse Trig Functions (3.6)  Related Rates (3.7)	Week 6 Activity	
7	10/3 – 10/9  3.7, 3.8, 4.1	Newton's Method (3.8)  Absolute Max's and Min's (4.1)  Rolle's Theorem and Mean Value Theorem (4.2)	Week 7 Activity	WebAssign Quiz – Derivatives (due Sun. 10/9 10 pm) Sections: 3.1 – 3.7 Work due Mon. 10/10
8	10/10 – 10/16  4.2, 4.3	Rolle's Theorem and Mean Value Theorem (4.2)  First Derivative Test (4.3)	Week 8 Activity (due Wed. 10/12)	EXAM 2 in class (Wed. 10/12) DERIVATIVE GATEWAY begins (Wed. 10/12)
9	10/17 – 10/23  10/20 & 10/21 – No School  4.3, 4.4, 4.6	First Derivative Test (4.3)  Concavity and the Second Derivative Test (4.4)  Curve Sketching (4.6)	Week 9 Activity	

10	10/24 – 10/30 4.6, 4.7, 4.8	Optimization Problems (4.7) Differentials (4.8)	Week 10 Activity	DERIVATIVE GATEWAY due (Wed. 10/26)
11	10/31 – 11/6 8.7, 5.1, 5.2	L'Hopitals Rule (8.7) Antiderivatives (5.1) Summation Notation and Area (5.2)	Week 11 Activity	Group Project due (Wed. 11/2 in class)  WebAssign Quiz – Applications of Deriv. (due Sun. 11/6 10 pm) Sections: 4.1 – 4.8, 8.7 Work due Mon. 11/7
12	11/7 – 11/13 11/11 - Holiday 5.3, 5.4	Riemann Sums and Definite Integrals (5.3)  Area Functions (5.4)	Week 12 Activity (due Wed. 11/9)  Maple #2 Activity (due Wed. 11/23)	EXAM 3 in class (Wed. 11/9)
13	11/14 – 11/20 5.4, 5.5, 5.6	Area Functions (5.4)  Pattern Recognition and U- Substitution (5.5)  Numerical Integration (5.6)	Week 13 Activity	
14	11/21 – 11/27 11/24 & 11/25 – Holiday 5.7, 5.8, 5.9	Integration of Natural Logs (5.7)  Integration of Inverse Trig Functions (5.8)  Hyperbolic Functions (5.9)	Week 14 Activity	WebAssign Quiz – Integrals (due Sun. 11/27 10 pm) Sections: 5.1 – 5.7 Work due Mon. 11/28
15	11/28 – 12/4 6.2, 6.3	Differential Equations – Growth and Decay (6.2)  Separation of Variables (6.3)	Week 15 Activity (due Wed. 11/30)	EXAM 4 in class (Wed. 11/30)
16	12/5 – 12/11 7.1	Area Between Two Curves (7.1)	Week 16 Activity (due Wed. 12/7)	Partner Quiz (Wed. 12/7 in class) Sections: 6.3, 6.3, 7.1
17	12/12 – 12/15		Final Exam Review Sheet (due Wed. 12/14)	Final Exam (Wed. 12/14 6 – 9 pm)

\*The Video Lectures can be located on D2L under the content page (be sure to click on the UNDOCK icon to view them). **If you are having trouble getting the Video Lectures to play on your computer, please click on the HELP! I can't get the video lectures to work! document found on D2L under Content.** Additional video lectures created by the textbook publishers can be found through WebAssign. It is also recommended that you read your textbook and do HW problems from the textbook and/or on WebAssign.

\*All online quizzes will be found on WebAssign. You will have two attempts to achieve your best score. You must turn in your work (written on a separate piece of paper) on the Monday after the quiz is due. If your work is not turned in on time, then you will receive a zero on your quiz.

\*I will be at Inver Hills during my office hours (L 247) on Mondays, Wednesdays and Thursdays. You may come to the Math Center outside my office to work on activities and HW with other students. I will be happy to answer questions and give guidance as well.

**\*Office Hours: MW 5 – 5:50 pm, Thurs. 3 – 5 pm, Tues. 8 – 9 pm (may vary)**

\*Additional help is also available Monday-Friday from the peer tutor center or Math Center (2<sup>nd</sup> floor of the library).