

## MATHEMATICS 100, FALL 2014

NO	LECTURE DATE	TEXT SECTION	ASSIGNMENT DUE DATES	
			Online	Written
1	W, Sep 3	Review: App. A Numbers, Inequalities, absolute value, Ch. 1, 1.1-1.3, 1.5-1.6 Functions	W, Sep 17	F, Sep 26
2	F, Sep 5	Review: App. A Numbers, Inequalities, absolute value, Ch. 1, 1.1-1.3, 1.5-1.6 Functions		
3	M, Sep 8	Review: App. A Numbers, Inequalities, absolute value, Ch. 1, 1.1-1.3, 1.5-1.6 Functions		
4	W, Sep 10	Induction (eClass Notes); 11.1 Sequences	W, Sep 24	
5	F, Sep 12	11.1 Sequences		
6	M, Sep 15	2.2, 2.3 Limits		
7	W, Sep 17	2.3, 2.4 Limits, Formal definition of limit		
8	F, Sep 19	2.5 Continuity; Intermediate Value Theorem	W, Oct 1	F, Oct 17
9	M, Sep 22	2.6 Limits at infinity, horizontal asymptotes		
10	W, Sep 24	2.1 Tangents, 2.7, 2.8 Derivatives		
11	F, Sep 26	3.1, Derivatives of polynomials and exp functions	W, Oct 8	
12	M, Sep 29	3.2 Product and quotient rules		
13	W, Oct 1	3.3 Derivatives of trigonometric functions		
14	F, Oct 3	3.4 Chain Rule	W, Oct 15	
15	M, Oct 6	3.5 Implicit differentiation; Derivatives of inverse functions		
16	W, Oct 8	3.6 Derivatives of logarithmic functions; logarithmic differentiation		
17	F, Oct 10	3.7 Rates of Change; 3.9 Related Rates	W, Oct 22	
18	W, Oct 15	3.9 Related rates; 3.10 Linearization; Differentials		
19	F, Oct 17	3.10 Linearization; Taylor Polynomials(eClass Notes)		
20	M, Oct 20	Taylor Polynomials, Partial Derivatives(eClass Notes)		
21	W, Oct 22	3.11 Hyperbolic functions and their derivatives	W, Nov 5	
22	F, Oct 24	Catch-up/midterm review ( <b>Oct 24, Midterm Exam</b> )		
23	M, Oct 27	4.1 Maximum and Minimum		
24	W, Oct 29	4.2 Mean Value Theorem	W, Nov 12	
25	F, Oct 31	4.3 Application of derivatives to Curve Sketching		
26	M, Nov 3	4.4 Indeterminate forms; L'Hospital's Rule		
27	W, Nov 5	4.4 L'Hospital's Rule; 4.5 Curve sketching	W, Nov 19	F, Nov 28
28	F, Nov 7	4.5 Curve sketching		
29	W, Nov 12	4.7 Optimization problems; 4.8 Newton's method		
30	F, Nov 14	Appendix E: Sigma Notation; 5.1 Areas	W, Nov 26	
31	M, Nov 17	5.1 Areas; 4.9 Antiderivatives;		
32	W, Nov 19	5.2 Definite integral		
33	F, Nov 21	5.3 Fundamental Theorem of Calculus	W, Dec 3	
34	M, Nov 24	5.4 Indefinite Integrals		
35	W, Nov 26	5.5 Substitution Rule		
36	F, Nov 28	5.5 Substitution Rule; 7.7 Approx. Integration		
37	M, Dec 1	7.7 Approximate Integration	Final Exam: Dec 13	
38	W, Dec 3	Catch-up/Review		