

Date	Topic	Due dates	Additional exercises
Wed, Jan 13	§1.3, 1.5 Functions and inverse functions		§1.1–23, 43, 45, 47, 49, 51, 53, 54, 64, 65; §1.2–9, 15, 17, 19, 22, 25, 31, 37, 39, 41, 51 §1.3–1,5,7,11,27, 28, 31, 33, 34, 35 §1.5—1,3,5,6,11,13,21
Thu, Jan 14	Worksheet 1		
Fri, Jan 15	§1.4, 1.5 Trigonometric and inverse trigonometric functions		§1.4–3, 6, 7, 16, 19, 21, 25, 27, 45, 46, 47 §1.5–29–34, 39, 41
Mon, Jan 18	M.L. King Day, Academic Holiday		
Tue, Jan 19	Worksheet 2	A1.1-1.2, A1.3 and 1.5	
Wed, Jan 20	§1.6 Exponential and logarithm functions		§1.6–3, 4, 7, 9, 19, 21, 23, 25, 27, 29, 33, 42
	<i>Last Day to Add</i>		
Thu, Jan 21	Worksheet 3	A1.4-1.5	
Fri, Jan 22	§2.1, 2.2 Tangent and velocity	WA 1	§2.1–5, 6, 7, 13, 17, 23, 25, 27 §2.2–2, 4, 5, 6, 21, 24, 28, 34, 47, 49, 53, 62
Mon, Jan 25	§2.3 Basic Limit laws	A1.6	§2.3–11, 13, 15, 17, 19, 21, 26, 27, 29, 31, 33
Tue, Jan 26	Worksheet 4		
Wed, Jan 27	§2.4 Limits and continuity		§2.4–2, 3, 4, 5, 13, 17, 19, 27, 33, 47, 51, 53, 81, 84
Thu, Jan 28	Worksheet 5	A2.1-2.2, A2.3	
Fri, Jan 29	§2.5 Evaluating limits	WA 2	§2.5–3, 7, 9, 11, 21, 23, 25, 29, 36, 49, 53
Mon, Feb 1	§2.6 Trigonometric limits	A2.4	§2.6–3, 4, 5, 13, 17, 21, 23, 25, 31, 37, 45, 51, 52
Tue, Feb 2	Worksheet 6		
Wed, Feb 3	§2.8 Intermediate Value Theorem		§2.8–1, 6, 9, 11, 15, 17, 21, 22, 25
Thu, Feb 4	Worksheet 7	A2.5, A2.6	
Fri, Feb 5	Review		
Sun, Feb 7		A2.8	
Mon, Feb 8	Review		
Tue, Feb 9	Worksheet 8		
	Exam 1 5-7pm Room TBA		

Date	Topic	Due dates	Additional exercises
Wed, Feb 10	§3.1 The Derivative		§3.1–1, 4, 7, 11, 14, 20, 35, 37, 50, 57, 67, 68
Thu, Feb 11	Worksheet 9		
Fri, Feb 12	§3.2 The derivative as a function		§3.2–7, 9, 16, 19, 29, 33, 35, 37, 43, 47, 51, 53, 66, 68, 73, 75, 84
Mon, Feb 15	§3.3 Product and quotient rules	B3.1	§3.3–1, 3, 7, 9, 11, 15, 16, 19, 20, 23, 25, 29, 31, 38, 39, 41, 49, 50, 59
Tue, Feb 16	Worksheet 10		
Wed, Feb 17	§3.4 Rates of change		§3.4–5, 7, 11, 21, 25, 26, 27, 28, 32, 34, 38, 43, 45
Thu, Feb 18	Worksheet 11	B3.2, B3.3	
Fri, Feb 19	§3.5 Higher derivatives	WA3	§3.5–1, 6, 11, 14, 19, 27, 31, 35, 39, 40, 41, 45
Sun, Feb 21			
Mon, Feb 22	§3.6 Derivatives of trig functions	B3.4	§3.6–1, 5, 7, 15, 19, 21, 25, 27, 31, 51
Tue, Feb 23	Worksheet 12		
Wed, Feb 24	§3.7 Chain rule		§3.7–3, 5, 7, 23, 25, 27, 29, 31, 47, 49, 77, 79, 80
Thu, Feb 25	Worksheet 13	B3.5, B3.6	
Fri, Feb 26	§3.8 Derivatives of inverse functions §3.9 Exponential and logarithms	WA4	§3.8–3, 11, 15, 19, 21, 23, 25, 37 §3.9–1, 3, 21, 23, 25, 31, 35, 80
Mon, Feb 29	§3.10 Implicit differentiation	B3.7	§3.10–1, 9, 15, 19, 23, 29, 31, 39, 41, 54
Tue, Mar 1	Worksheet 14		
Wed, Mar 2	§3.11 Related rates		§3.11–1, 5, 6, 7, 8, 9, 11, 13, 17, 19, 25
Thu, Mar 3	Worksheet 15	B3.8-3.9, B3.10	
Fri, Mar 4	Review		
Sun, Mar 6		B3.11	
Mon, Mar 7	Review		
Tue, Mar 8	Worksheet 16		
	Exam 2 5-7pm Room TBA		

Date	Topic	Due dates	Additional exercises
Wed, Mar 9	§4.1 Linear approximation		§4.1–1, 3, 9, 11, 17, 19, 23, 27, 28, 38, 49, 55
Thu, Mar 10	Worksheet 17		
Fri, Mar 11	§4.2 Extreme values		§4.2–1, 3, 5, 7, 9, 11, 17, 21, 23, 41, 46, 54, 63, 64
Mar 12-Mar 19	Spring Break, Academic Holiday		
Sun, Mar 13	Begin Daylight Savings Time		
Mon, Mar 21	§4.3 Mean value theorem and monotonicity	C4.1	§4.3–1, 11, 13, 15, 17, 19, 21, 23, 25, 35, 37, 55, 58
Tue, Mar 22	Worksheet 18		
Wed, Mar 23	§4.4 The shape of a graph		§4.4–1, 2, 3, 5, 13, 15, 17, 20, 21, 22, 41, 45, 58, 59
Thu, Mar 24	Worksheet 19	C4.2,C4.3	
Fri, Mar 25	§2.7 Limits at infinity	WA5	§2.7–1, 3, 6, 7, 11, 13, 21, 37, 38, 43
Sun, Mar 27			
Mon, Mar 28	§4.5 Lhopital rule	C4.4	
Tue, Mar 29	Worksheet 20		
Wed, Mar 30	§4.7 Optimization		4.7–1, 3, 5, 7, 9, 15, 16, 42, 43
Thu, Mar 31	Worksheet 21	C2.7,C4.5	
Fri, Apr 1	§4.8 Newton's method	WA6	§4.8–1, 3, 7, 9, 17, 20, 23
Fri, Apr 1	Last Day to withdraw		
Mon, Apr 4	§4.9 Anti-derivatives	C4.7	§4.9–2, 5, 8, 20, 23, 25, 33, 39, 40, 65, 70
Tue, Apr 5	Worksheet 22		
Wed, Apr 6	§5.1 Approximating and Computing Area		§5.1–1, 5, 6, 7, 11, 13, 16, 18, 21, 23, 25, 27, 29, 45, 47
Thu, Apr 7	Worksheet 23	C4.8,C4.9	
Fri, Apr 8	Review		
Sun, Apr 10		C5.1	
Mon, Apr 11	Review		
Tue, Apr 12	Worksheet 24		
	Exam 3 5-7pm Room TBA		

Date	Topic	Due dates	Additional exercises
Wed, Apr 13	§5.2 The definite integral		§5.2–1, 5, 7, 9, 13, 15, 16, 33, 37, 63, 65
Thu, Apr 14	Worksheet 25		
Fri, Apr 15	§5.3 The fundamental theorem of calculus, part I		§5.3–1, 11, 13, 19, 21, 35, 37, 43, 59, 61
Mon, Apr 18	§5.4 The fundamental theorem of calculus part II §5.5 The net change theorem	D5.2	§5.4–1, 3, 7, 21, 29, 39, 45 §5.5–1, 3, 5, 7, 10, 16, 19, 21
Tue, Apr 19	Worksheet 26		
Wed, Apr 20	§5.6 Substitution method		§5.6–7, 9, 11, 27, 31, 39, 59, 65, 74
Thu, Apr 21	Worksheet 27, §5.7 Further transcendental functions	D5.3-5.4, D 5.5	§5.7–5, 9, 13, 15, 37, 41, 43, 47, 53
Fri, Apr 22	§5.8 Exponential growth and decay		§5.8–1, 2, 5, 10, 11, 12, 15, 23, 24
Mon, Apr 25	§6.1 Area of regions in the plane	D5.6,D5.7	§6.1–1, 3, 4, 13, 15, 19, 21, 27, 32, 35, 55
Tue, Apr 26	Worksheet 28		
Wed, Apr 27	Review		
Thu, Apr 28	Worksheet 29	D5.8,D6.1	
Fri, Apr 29	Review		
Wed, May 4	Final Exam, 6:00-8:00 pm, Room TBA		