

Date	Topic	Due dates	Additional exercises
Wed, Jan 15	§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
<i>Thu, Jan 16</i>	Worksheet 1		
Fri, Jan 17	§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 20	M.L. King Day, Academic Holiday		
<i>Tue, Jan 21</i>	Worksheet 2	A1.1-1.2, A1.3 and 1.5	
Wed, Jan 22	§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>		
<i>Thu, Jan 23</i>	Worksheet 3, Quiz 1	A1.4-1.5	
Fri, Jan 24	§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 27	§2.3 Basic Limit laws	A1.6	§2.3–11, 13, 15, 17, 19, 21, 26, 27, 29, 31, 33
<i>Tue, Jan 28</i>	Worksheet 4		
Wed, Jan 29	§2.4 Limits and continuity		§2.4–2, 3, 4, 5, 13, 17, 19, 27, 33, 47, 51, 53, 81, 84
<i>Thu, Jan 30</i>	Worksheet 5, Quiz 2	A2.1-2.2, A2.3	
Fri, Jan 31	§2.5 Evaluating limits	WA 2	§2.5–3, 7, 9, 11, 21, 23, 25, 29, 36, 49, 53
Mon, Feb 3	Snow day		
<i>Tue, Feb 4</i>	Worksheet 6 and supplement	A2.4	
Wed, Feb 5	§2.6 Trigonometric limits		§2.6–3, 4, 5, 13, 17, 21, 23, 25, 31, 37, 45, 51, 52
<i>Thu, Feb 6</i>	Worksheet 6 and supplement	A2.5	
Fri, Feb 7	Review		
Sun, Feb 9		A2.6	
Mon, Feb 10	Review		
<i>Tue, Feb 11</i>	Worksheet 8 (Omit questions on IVT)		
	Exam 1 5-7pm Room TBA		

Date	Topic	Due dates	Additional exercises
Wed, Feb 12	§3.1 The Derivative		§3.1–1, 4, 7, 11, 14, 20, 35, 37, 50, 57, 67, 68
<i>Thu, Feb 13</i>	Worksheet 9		
Fri, Feb 14	§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 17	§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
<i>Tue, Feb 18</i>	Worksheet 10		
Wed, Feb 19	§3.4 Rates of change	WA3	§3.4–5, 7, 11, 21, 25, 26, 27, 28, 32, 34, 38, 43, 45
<i>Thu, Feb 20</i>	Worksheet 11, Quiz 4	B3.2,B3.3	
Fri, Feb 21	§3.5 Higher derivatives		§3.5–1, 6, 11, 14, 19, 27, 31, 35, 39, 40, 41, 45
Sun, Feb 23			
Mon, Feb 24	§3.6 Derivatives of trig functions	B3.4	§3.6–1, 5, 7, 15, 19, 21, 25, 27, 31, 51
<i>Tue, Feb 25</i>	Worksheet 12		
Wed, Feb 26	§3.7 Chain rule	WA4	§3.7–3, 5, 7, 23, 25, 27, 29, 31, 47, 49, 77, 79, 80
<i>Thu, Feb 27</i>	Worksheet 13, Quiz 5	B3.5,B3.6	
Fri, Feb 28	§3.8 Derivatives of inverse functions §3.9 Exponential and logarithms		§3.8–3, 11, 15, 19, 21, 23, 25, 37 §3.9–1, 3, 21, 23, 25, 31, 35, 80
Mon, Mar 3	Snow day 2		
<i>Tue, Mar 4</i>	Worksheet 14, #3, 5, 7, 8,10-13 Worksheet #16 1-7	B3.7	
Wed, Mar 5	§3.10 Implicit Differentiation		§3.10–1, 9, 15, 19, 23, 29, 31, 39, 41, 54
<i>Thu, Mar 6</i>	Worksheet 14, 1,2,4,6,9, Quiz 6		
Fri, Mar 7	§3.11 Related rates	B3.8-3.9,B3.10	§3.11–1, 5, 6, 7, 8, 9, 11, 13, 17, 19, 25
Sun, Mar 9	Begin Daylight Savings Time		
Mon, Mar 10	Review	B3.11	
<i>Tue, Mar 11</i>	Worksheet 15, Worksheet 16 #8-12		
	Exam 2 5-7pm Room TBA		

Date	Topic	Due dates	Additional exercises
Wed, Mar 12	§4.1 Linear approximation		§4.1–1, 3, 9, 11, 17, 19, 23, 27, 28, 38, 49, 55
<i>Thu, Mar 13</i>	Worksheet 17		
Fri, Mar 14	§4.2 Extreme values		§4.2–1, 3, 5, 7, 9, 11, 17, 21, 23, 41, 46, 54, 63, 64
Mar 17-Mar 21	Spring Break, Academic Holiday		
Mon, Mar 24	§4.3 Mean value theorem and monotonicity	C4.1	§4.3–1, 11, 13, 15, 17, 19, 21, 23, 25, 35, 37, 55, 58
<i>Tue, Mar 25</i>	Worksheet 18		
Wed, Mar 26	§4.4 The shape of a graph	WA 5	§4.4–1, 2, 3, 5, 13, 15, 17, 20, 21, 22, 41, 45, 58, 59
<i>Thu, Mar 27</i>	Worksheet 19, Quiz 7	C4.2,C4.3	
Fri, Mar 28	§2.7 Limits at infinity		§2.7–1, 3, 6, 7, 11, 13, 21, 37, 38, 43
Sun, Mar 30			
Mon, Mar 31	§4.5 Lhopital rule	C4.4	
<i>Tue, Apr 1</i>	Worksheet 20		
Wed, Apr 2	§4.7 Optimization	WA 6	4.7–1, 3, 5, 7, 9, 15, 16, 42, 43
<i>Thu, Apr 3</i>	Worksheet 21, Quiz 8	C2.7,C4.5	
Fri, Apr 4	§4.8 Newton's method		§4.8–1, 3, 7, 9, 17, 20, 23
Mon, Apr 7	§4.9 Anti-derivatives	C4.7	§4.9–2, 5, 8, 20, 23, 25, 33, 39, 40, 65, 70
<i>Tue, Apr 8</i>	Worksheet 22		
Wed, Apr 9	§5.1 Approximating and Computing Area		§5.1–1, 5, 6, 7, 11, 13, 16, 18, 21, 23, 25, 27, 29, 45, 47
<i>Thu, Apr 10</i>	Worksheet 23, Quiz 9	C4.8,C4.9	
Fri, Apr 11	Review		
	<i>Last day to withdraw</i>		
Sun, Apr 13		C5.1	
Mon, Apr 14	Review		
<i>Tue, Apr 15</i>	Worksheet 24		
	Exam 3 5-7pm Room TBA		

Date	Topic	Due dates	Additional exercises
Wed, Apr 16	§5.2 The definite integral		§5.2–1, 5, 7, 9, 13, 15, 16, 33, 37, 63, 65
<i>Thu, Apr 17</i>	Worksheet 25		
Fri, Apr 18	§5.3 The fundamental theorem of calculus, part I		§5.3–1, 11, 13, 19, 21, 35, 37, 43, 59, 61
Mon, Apr 21	§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
<i>Tue, Apr 22</i>	Worksheet 26, Quiz 10		
Wed, Apr 23	§5.6 Substitution method		§5.6–7, 9, 11, 27, 31, 39, 59, 65, 74
Thu, Apr 24	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 25	§5.8 Exponential growth and decay		§5.8–1, 2, 5, 10, 11, 12, 15, 23, 24
Mon, Apr 28	§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
<i>Tue, Apr 29</i>	Worksheet 28		
Wed, Apr 30	Review		
<i>Thu, May 1</i>	Worksheet 29	D5.8,D6.1	
Fri, May 2	Review		
Wed, May 7	Final Exam, 8:30–10:30 pm, Room TBA		