

(The homeworks below are listed on the day they are assigned, and are due the following class period.)

Day	Date	Sxn	Topic/Homework
1-M	1/12	7.1	Working with Algebraic Functions 0, 3, 4, 5, 8, 9, 14, 17, 19, 20, 25, 28, 31, 40, 42, 47, 49, 56, 57, 58, 64, 72, 74.
1-W	1/14	7.2	The Product Rule and the Chain Rule 0, 6, 9, 11, 13, 15, 22, 23, 35, 40, 43, 48, 54, 56, 61, 66, 70, 72, 79, 85, 88, 93, 95-W.
1-R	1/15	-	<b>Quiz 1</b> (7.1, 7.2, 231 review)
		7.3	Implicit Differentiation 0, 3, 5, 9, 11, 12, 13, 15, 16, 18, 26, 27, 28, 32, 33, 38, 39, 40, 41, 42, 43, 57.
1-F	1/16	7.4	Related Rates 0, 3, 4, 7, 8, 9, 10, 12, 13, 18, 19, 20, 21, 23, 24, 25, 28.
2-M	1/19	-	<b>Martin Luther King Day</b>
2-W	1/21	-	Problems Day
2-R	1/22	-	<b>Quiz 2</b> (7.3, 7.4)
		7.5	Optimization and Curve Sketching 0, 4, 10, 17, 20, 23, 24, 28, 31, 35, 37, 41, 44, 46, 51, 56, 61, 64, 67, 70, 71, 74, 75, 76.
2-F	1/23	8.1	The Algebra of Exponential Functions 0, 2, 3, 4, 5, 7, 8, 9, 10, 12, 14, 18, 20, 21, 24, 27, 28, 30, 33, 34, 36, 37, 38, 39.
3-M	1/26	8.2	The Natural Exponential Function 0, 1, 2, 5, 7, 8, 9, 12, 13, 15, 21, 22, 28, 29, 33, 36, 40, 42, 44, 45, 47, 51, 54, 55, 61.
3-W	1/28	-	Problems Day
3-R	1/29	-	<b>Quiz 3</b> (7.5, 8.1, 8.2)
		8.3	Limits of Exponential Functions 0, 1, 2, 7, 8, 16, 20, 21, 25, 26, 32, 33, 36, 37, 39, 46, 47, 49, 51, 53, 54, 57, 58.
3-F	1/30	8.4	Derivatives of Exponential Functions 0, 1, 3, 4, 6, 8, 10, 11, 12, 13, 18, 23, 24, 27, 28, 29, 31, 34, 38, 39, 40, 41, 42, 43.
4-M	2/2	8.5	Graphs of Exponential Functions 0, 2, 3, 4, 6, 7, 9, 11, 14, 15, 16, 19, 20, 23, 29, 31, 33, 36, 38, 39, 43, 44.
4-W	2/4	-	Problems Day
4-R	2/5	-	<b>Quiz 4</b> (8.3, 8.4, 8.5)
		8.6	Applications of Exponential Functions 0, 5, 6, 7, 10, 11, 12, 13, 14, 17, 19, 20, 23, 26, 27, 28, 30, 31, 32, 33, 34, 37, 38.
4-F	2/6	8.7	L'Hôpital's Rule 0, 2, 4, 6, 8, 9, 11, 12, 18, 24, 25, 26, 30, 34, 35, 36, 37, 39, 40, 45, 48, 51, 52.
5-M	2/9	9.1	The Algebra of Logarithmic Functions 0, 3, 4, 13, 15, 19, 24, 28, 32, 34, 40, 43, 46, 50, 53, 54, 56, 59, 65, 69, 70, 77, 79.
5-W	2/11	-	Review for Test I
5-R	2/12	-	<b>TEST I</b> (7.1–9.1)
5-F	2/13	9.2	Limits and Derivatives of Logarithmic Functions 0, 3, 4, 5, 8, 11, 12, 14, 15, 20, 22, 26, 30, 32, 34, 38, 40, 43, 48, 49, 51, 56, 58, 60.

Day	Date	Sxn	Topic/Homework
6-M	2/16	9.3	Using Logarithms as a Computational Tool 0, 1, 2, 3, 4, 5, 6, 8, 10, 11, 13, 16, 19, 23, 24, 25, 27, 30, 37, 39, 42, 45, 47, 50.
6-W	2/18	-	Problems Day
6-R	2/19	-	<b>Quiz 5</b> (9.2, 9.3, Test I)
		10.1	Right Triangle Trigonometry 0, 1, 2, 4, 5, 7, 9, 16, 22, 23, 24, 27, 31, 33, 35, 36, 37, 38, 39, 40.
6-F	2/20	10.2	Unit Circle Trigonometry 0, 2, 7, 9, 10, 12, 14, 17, 20, 23, 35, 38, 46, 52, 55, 61, 63, 68, 72, 75, 79, 84, 85, 87.
7-M	2/23	10.3	The Algebra of Trigonometric Functions 0, 3, 6, 9, 16, 19, 27, 29, 30, 33, 36, 43, 45, 48, 51, 52, 56, 62, 65, 67, 70, 73.
7-W	2/25	-	Problems Day
7-R	2/26	-	<b>Quiz 6</b> (10.1, 10.2, 10.3)
		10.4	Limits of Trigonometric Functions 0, 1, 2, 7, 10, 14, 15, 16, 29, 31, 35, 37, 42, 48, 49, 50, 52, 53, 55, 56, 57, 62.
7-F	2/27	10.5	Derivatives of Trigonometric Functions 0, 3, 4, 5, 6, 11, 15, 21, 22, 23, 26, 30, 33, 39, 46, 47, 48, 57, 59, 62, 63, 64, 67, 69.
8-M	3/1	10.6	Graphs of Trigonometric Functions 0, 1, 12, 13, 14, 15, 17, 18, 24, 29, 30, 36, 41, 49, 54, 55, 58, 61, 65, 74, 75, 76, 77, 78.
8-W	3/3	-	Problems Day
8-R	3/4	-	<b>Quiz 7</b> (10.4, 10.5, 10.6)
		11.1	Defining the Inverse Trigonometric Functions 0, 3, 4, 6, 7, 10, 14, 15, 16, 17, 18, 21, 24, 26, 27, 31, 36, 39, 45, 51, 56, 60, 63, 66, 73.
8-F	3/5	11.2	Derivatives of Inverse Trigonometric Functions 0, 1, 3, 6, 7, 8, 9, 10, 13, 16, 17, 21, 22, 25, 27, 28, 29, 36, 37, 40, 44, 45, 47.
9-M	3/8	-	<b>Spring Break</b>
9-W	3/10	-	<b>Spring Break</b>
9-R	3/11	-	<b>Spring Break</b>
9-F	3/12	-	<b>Spring Break</b>
10-M	3/15	-	Limits and Derivatives Gateway (pass gateway or do all problems on handout)
10-W	3/17	-	Review for Test II
10-R	3/18	-	<b>TEST II</b> (9.1–11.2)
10-F	3/19	12.1	Geometric Approximation and Sigma Notation 0, 1, 6, 7, 10, 15, 20, 21, 23, 24, 25, 28, 33, 35, 37, 40, 42, 43, 45, 48, 50, 53, 57, 59. (This is the last day you can withdraw and get a "W" for the course)
11-M	3/22	12.2	Approximating Area with Riemann Sums 0, 1, 3, 5, 9, 10, 11, 12, 13, 15, 17, 18, 24, 28, 29, 30, 31, 35, 38, 39, 40, 43.
11-W	3/24	-	Problems Day
11-R	3/25	-	<b>Quiz 8</b> (12.1, 12.2, Test II)
		12.3	The Definite Integral 0, 2, 3, 4, 7, 8, 9, 16, 17, 19, 21, 25, 26, 29, 31, 32, 33, 37, 38, 40, 43, 47, 48, 49.
11-F	3/26	12.4	Area and Average Value 0, 1, 9, 11, 13, 14, 17, 18, 21, 24, 27, 30, 31, 33, 41, 42, 45, 47, 54, 56, 59, 65, 68, 70.

Day	Date	Sxn	Topic/Homework
12-M	3/29	13.1	Indefinite Integrals 0, 1, 3, 4, 9, 10, 15, 16, 18, 19, 22, 26, 29, 32, 36, 38, 44, 46, 52, 58, 59, 62, 69, 76.
12-W	3/31	-	Problems Day
12-R	4/1	-	<b>Quiz 9</b> (12.3, 12.4, 13.1)
		13.2	The Fundamental Theorem of Calculus 0, 1, 2, 3, 5, 9, 10, 16, 17, 18, 19, 27, 28, 30, 31, 34, 35, 40, 42, 45, 47, 53, 54.
12-F	4/2	13.3	Functions Defined by Integrals 0, 1, 3, 4, 5, 9, 12, 13, 14, 15, 16, 17, 18, 19, 22, 26, 29, 33, 36, 37, 42, 45, 49, 58, 59.
13-M	4/5	14.1	Integration by Substitution 0, 4, 6, 10, 13, 15, 16, 19, 21, 26, 29, 39, 40, 41, 48, 49, 54, 57, 65, 66, 68, 72, 77, 80.
13-W	4/7	-	Problems Day
13-R	4/8	-	<b>Quiz 10</b> (13.2, 13.3, 14.1)
		14.2	Integration by Parts 0, 3, 9, 11, 12, 13, 18, 19, 24, 25, 26, 27, 28, 34, 35, 42, 45, 48, 49, 55, 58, 62, 63, 68.
13-F	4/9	14.3	Trigonometric Integrals 0, 4, 8, 11, 14, 17, 19, 20, 21, 24, 27, 30, 31, 34, 35, 41, 46, 51, 52, 53, 55, 57, 62.
14-M	4/12	14.4	Trigonometric Substitution 0, 2, 4, 15, 18, 22, 27, 29, 31, 35, 36, 37, 38, 39, 43, 47, 49, 53, 55, 68, 72, 75, 81.
14-W	4/14	-	Problems Day
14-R	4/15	-	<b>Quiz 11</b> (14.2, 14.3, 14.4)
		-	Integration Gateway (pass gateway or do all problems on handout)
14-F	4/16	15.1	Arc Length 0, 1, 2, 3, 6, 7, 8, 10, 12, 16, 19, 21, 24, 25, 31, 37, 40, 44, 45, 47, 51, 53, 55.
15-M	4/19	15.2	Volumes by Slicing 0, 5, 6, 8, 10, 13, 14, 18, 23, 25, 27, 28, 30, 31, 33, 35, 37, 39, 41, 44, 48, 50, 56.
15-W	4/21	-	Review for Test III
15-R	4/22	-	<b>TEST III</b> (12.1–15.2)
15-F	4/23	15.3	Volumes by Shells 0, 3, 4, 5, 6, 8, 13, 14, 16, 19, 24, 27, 31, 35, 40, 41, 42, 45, 46, 47, 48, 51, 52, 54.
16-M	4/26	15.4	Practical Applications 0, 1, 2, 3, 5, 7, 8, 9, 11, 12, 15, 16, 17, 19, 23, 26, 28, 30, 32, 33.
16-W	4/28	-	Problems Day
16-R	4/29	-	<b>Quiz 12</b> (15.3, 15.4, Test III)
		-	Surprise Lecture
16-F	4/30	-	Evaluations and Final Exam Information (mandatory attendance)

**Final Exam:** Monday, May 3, 8:00-10:00 am, Burruss 032  
(cumulative, sections 7.1–15.4)