

Math 2315 - Calculus 2
 Spring 2021 - Schedule
 updated April 17, 2021 at 19:58

Class	Day	Section	Title	Problems
1	2021.01.11		Introduction and Review	
2	2021.01.12		Review	
3	2021.01.13		Review	
4	2021.01.14	4.1	Antiderivatives	4, 8, 12, 17, 21, 22, 35, 37
		4.5	The Fundamental Theorem of Calculus	1, 6, 9, 10, 16, 20, 21, 39
5	2021.01.15	4.6	Integration by Substitution	5, 8, 10, 13, 19, 20, 26, 30, 34 ,35
6	2021.01.19	6.1	The Natural Logarithm	7, 12, 15, 16, 21, 26, 29
7	2021.01.20	6.1	The Natural Logarithm (cont...)	
		6.2	Inverse Functions	7, 11, 13, 15, 18, 19, 21, 23
8	2021.01.21	6.2	Inverse Functions (cont...)	
		6.3	The Exponential Function	1-8 all, 9-24 odd, 27, 29, 31-34 all, 37-46 all
9	2021.01.22		Cumulative Quiz #1	
10	2021.01.25	6.4	The Inverse Trigonometric Functions	1, 3, 5, 7-18 even, 19, 21, 25-32 even
11	2021.01.26	6.4	The Inverse Trigonometric Functions (cont...)	
		6.5	The Calculus of Inverse Trigonometric Functions	1-26 odd, 27, 28, 29, 30
12	2021.01.27	6.5	The Calculus of Inverse Trigonometric Functions (cont...)	
13	2021.01.28	6.6	The Hyperbolic Functions	1-22 odd, 23, 26, 27, 28, 30, 32, 33, 34, 37
14	2021.01.29	6.6	The Hyperbolic Functions (cont...)	
15	2021.02.01	7.2	Integration by Parts	1-28 odd, 29, 30, 31-50 odd, 51, 52
16	2021.02.02	7.2	Integration by Parts (cont...)	
17	2021.02.03	7.3	Trigonometric Techniques of Integration	1-44 every 4th, 45, 46, 47, 48
18	2021.02.04	7.3	Trigonometric Techniques of Integration (cont...)	
19	2021.02.05	7.3	Trigonometric Techniques of Integration (cont...)	
20	2021.02.08		Cumulative Quiz #2	
21	2021.02.09	7.4	Integration of Rational Functions	1, 5, 9, 14, 17, 22, 26, 29, 32, 34, 43, 44, 45
22	2021.02.12	7.4	Integration of Rational Functions (cont...)	
23	2021.02.22	7.4	Integration of Rational Functions (cont...)	
24	2021.02.23	7.6	Indeterminant Forms and L'Hôpital's Rule	1, 5, 9, 14, 15, 21, 25, 27, 31, 35, 39, 45-48 all, 57, 59, 60
25	2021.02.24	7.6	Indeterminant Forms and L'Hôpital's Rule (cont...)	
26	2021.02.25	7.7	Improper Integrals	1, 2, 3-30 odd, 31, 32, 39, 40
27	2021.02.26	7.7	Improper Integrals (cont...)	
28	2021.03.01	9.1	Sequences of Real Numbers	1-8 all, 11-42 odd, 43-46 all
29	2021.03.02	9.1	Sequences of Real Numbers (cont...)	
30	2021.03.03	9.2	Infinite Series	1-28 odd, 29-32 all, 34, 37, 38
31	2021.03.04	9.2	Infinite Series (cont...)	
32	2021.03.08	9.3	The Integral Test and Comparison Tests	1-24 all
33	2021.03.09	9.3	The Integral Test and Comparison Tests (cont...)	
34	2021.03.10	9.4	Alternating Series	1-24 all, 37-40 all
35	2021.03.11	9.4	Alternating Series (cont...)	

36	2021.03.12		Cumulative Quiz #3	
37	2021.03.22	9.5	Absolute Convergence and the Ratio Test	1-60 every third
38	2021.03.23	9.5	Absolute Convergence and the Ratio Test (cont...)	
39	2021.03.24	9.5	Absolute Convergence and the Ratio Test (cont...)	
40	2021.03.25	9.6	Power Series	1-16 all, 19-42 all
41	2021.03.26	9.6	Power Series (cont...)	
42	2021.03.29	9.7	Taylor Series	1-20 all, 29-38 all
43	2021.03.30	9.7	Taylor Series (cont...)	
44	2021.03.31	9.8	Applications of Taylor Series	7-18 all, 19, 20, 23-26 all, 29, 30
45	2021.04.01		Cumulative Quiz #4	
46	2021.04.05	10.1	Plane Curves and Parametric Equations	1-19 all, 21-28 odd, 29, 31, 37, 39, 47-52 all
47	2021.04.06	10.1	Plane Curves and Parametric Equations (cont...)	
48	2021.04.07	10.2	Calculus and Parametric Equations	1-6 all, 9, 11, 13, 15, 19, 23, 25, 27, 31
49	2021.04.08	10.2	Calculus and Parametric Equations (cont...)	
50	2021.04.09	10.3	Arc Length and Surface Area in Parametric Equations	1-18 odd
51	2021.04.12	10.3	Arc Length and Surface Area in Parametric Equations (cont...)	
52	2021.04.13	10.4	Polar Coordinates	1-18 odd, 19, 23, 25, 29, 33, 39, 51, 53, 55, 57, 61
53	2021.04.14	10.4	Polar Coordinates (cont...)	
54	2021.04.15	10.4	Polar Coordinates (cont...)	
55	2021.04.16	10.5	Calculus and Polar Coordinates	1-10 odd, 11, 15, 23, 27, 29, 33, 37, 47
56	2021.04.19		Cumulative Quiz #5	