

Math 113 F17 Sections 2-7

Lecture Date	Section	Topic	Assigned Written Exercises	Online Due	Written Due
Sep 04	--	Holiday - Labor Day			
Sep 06	5.3	Introduction; Review of the Fund Thm of Calculus	5.3: 55, 58, 60, 68	Sep 07	Sep 08
Sep 08	5.5	Review of the Substitution Rule	5.5: 8, 13, 21, 28, 45, 60, 82, 83	Sep 09	Sep 11
Sep 11	6.1	Areas between Curves	6.1: 10, 12, 17, 25, 35, 53	Sep 12	Sep 13
Sep 13	6.2	Volumes	6.2: 16, 20, 21, 41, 47, 56, 63	Sep 14	Sep 15
Sep 15	6.3	Volumes by Cylindrical Shells	6.3: 9, 17, 19, 25, 46	Sep 16	Sep 18
Sep 18	6.4	Work	6.4: 2, 8, 11, 12, 16, 18, 20, 25	Sep 19	Sep 20
Sep 20	6.5	Average Value of a Function	6.5: 5, 10, 14, 18, 19	Sep 21	Sep 22
Sep 22	7.1	Integration by Parts	7.1: 8, 15, 27, 34, 40, 52, 56, 72	Sep 23	Sep 25
Sep 25	7.2	Trigonometric Integrals	7.2: 5, 11, 14, 28, 32, 42, 48	Sep 26	Sep 27
Sep 27	7.3	Trigonometric Substitution	7.3: 7, 8, 15, 23, 33, 38	Sep 28	Sep 29
Sep 29	7.3	Trigonometric Substitution	7.3: 34, 35, 39, 42	Oct 02	Oct 03
Oct 02	7.4	Integration by Partial Fractions	7.4: 9, 16, 21, 24, 25	Oct 03	Oct 04
Oct 04	7.4/7.5	Int. by Partial Fractions; Strategy for Integration	7.4: 40, 46, 62. 7.5: 12, 19, 23, 27	Oct 05	Oct 06
Oct 06	7.5	Strategy for Int.	7.5: 29, 33, 39, 45, 71, 79	Oct 07	Oct 09
Exam 1		Oct 9-10, late day Oct 11	Covers 5.3-7.5		
Oct 09	7.7	Approximate Integration	7.7: 18, 20, 28, 32, 44	Oct 10	Oct 11
Oct 11	7.7/7.8	Approximate Integration; Improper Integrals	7.7: 45, 46, 49. 7.8: 5, 11, 12, 17	Oct 12	Oct 13
Oct 13	7.8	Improper Integrals	7.8: 28, 30, 33, 37, 51, 54, 57	Oct 14	Oct 16
Oct 16	8.1	Arc Length	8.1: 11, 13, 16, 22, 37	Oct 17	Oct 18
Oct 18	8.2	Area of a Surface of Revolution	8.2: 9, 11, 17, 18, 27	Oct 19	Oct 20
Oct 20	8.3	Applications to Physics and Engineering: Hydrostatic force	8.3: 6, 10, 12, 14	Oct 21	Oct 23
Oct 23	8.5	Probability	8.5: 6, 8, 9, 16	Oct 24	Oct 25
Oct 25	10.1	Curves Defined by Parametric Equations	10.1: 2, 9, 12, 26, 28, 31, 42	Oct 26	Oct 27
Oct 27	10.2	Calculus with Parametric Curves	10.2: 6, 14, 29, 32, 39, 44, 59, 62	Oct 28	Oct 30
Oct 30	10.3	Polar Coordinates	10.3: 17, 23, 40, 57, 61	Oct 31	Nov 01
Nov 01	10.4	Areas and Lengths in Polar Coordinates	10.4: 6, 11, 26, 41, 45, 48	Nov 02	Nov 03
Nov 03	11.1	Sequences	11.1: 17, 31, 34, 43, 55, 68, 72, 74	Nov 04	Nov 06
Exam 2		Nov 6-7, late day Nov 8	Covers 7.7-10.4		
Nov 06	11.2	Series	11.2: 11, 14, 21, 24, 34, 37, 43, 60	Nov 07	Nov 08
Nov 08	11.2	Series	11.2: 64, 68, 70, 74	Nov 09	Nov 10
Nov 10	11.3	Integral Test and Estimates of Sums	11.3: 4, 6, 9, 10, 18, 19, 28, 30	Nov 11	Nov 13
Nov 13	11.3/11.4	Int. Test and Estimates of Sums; Comparison Tests	11.3: 36, 39, 41. 11.4: 8, 10, 22, 24	Nov 14	Nov 15
Nov 15	11.4/11.5	Comparison Tests	11.4: 23, 28, 35, 36. 11.5: 10, 11, 14, 18	Nov 16	Nov 17
Nov 17	11.5/11.6	Alternating Series	11.5: 23, 26, 27, 28. 11.6: 9, 13	Nov 18	Nov 20
Nov 20	11.6	Absolute Convergence; Ratio and Root Tests	11.6: 4, 5, 14, 18, 19, 20, 45	Nov 21	Nov 27
Nov 21	11.6	Absolute Convergence; Ratio and Root Tests	11.6: 43, 44, 45, 50	Nov 27	Nov 28
Nov 22-24	--	Thanksgiving Holiday	--		
Nov 27	11.7	Strategy for Testing Series	11.7: 3, 4, 8, 10, 12, 15, 16	Nov 28	Nov 29
Nov 29	11.7/11.8	Strategy for Testing Series/Power Series	11.7: 22, 26, 34. 11.8: 11, 16, 20	Nov 30	Dec 01
Dec 01	11.8	Power Series	11.8: 25, 30, 34, 35ab, 37, 42	Dec 02	Dec 04
Dec 04	11.9	Representations as Power series	11.9: 8, 9, 11, 14, 18, 27	Dec 05	Dec 06
Dec 06	11.9	Representations as Power series	11.9: 28, 30, 32, 39, 40	Dec 07	Dec 08
Dec 08	11.10	Taylor and Maclaurin Series	11.10: 2, 8, 16, 26, 39, 49	Dec 09	Dec 11
Dec 11	11.10	Taylor and Maclaurin Series	11.10: 56, 61, 69, 70, 78, 86	Dec 12	Dec 13
Dec 13	11.11	Applications of Taylor Polynomials	11.11: 7, 10, 14, 21, 25, 26, 33	Dec 14	Dec 14
Dec 15		Reading Day			
Final Exam (Time and Place TBA)					