

Homework Schedule Math10560 Spring 2025

Class Date	Topic covered in class	HW Appears	HW Due
Jan 13 Mon. Jan 15 Wed. Jan 17 Fri.	6.1. Inverse Functions 6.2*. The Natural Logarithmic Function 6.3*. The Natural Exponential Function	Jan 13 Jan 13 Jan 15	Jan 20 2:00 a.m. Jan 20 2:00 a.m. Jan 21 2:00 a.m.
Jan 20 Mon. Jan 22 Wed. Jan. 24 Fri.	MLK Day, No Classes 6.4*. General Logarithmic and Exponential Function 6.5. Exponential Growth and Decay	Jan 20 Jan 22	Jan. 27 2:00 a.m. Jan. 28 2:00 a.m.
Jan. 27 Mon. Jan. 29 Wed. Jan. 31 Fri.	6.6. Inverse Trigonometric Functions 6.8. Indeterminate Forms and L'Hospital's Rule 7.1. Integration by Parts	Jan 24 Jan. 27 Jan. 29	Jan. 30 2:00 a.m. Feb. 03 2:00 a.m. Feb. 04 2:00 a.m.
Feb. 03 Mon. Feb. 05 Wed. Feb. 07 Fri.	7.2. Trigonometric Integrals 7.3. Trigonometric Substitution 7.4. Integration of Rational Functions by Partial Fractions, Part 1	Jan. 31 Feb. 03 Feb. 05	Feb. 06 2:00 a.m. Feb. 10 2:00 a.m. Feb. 11 2:00 a.m.
Feb 10 Mon. Feb 12 Wed. Feb. 14 Fri.	Partial Fractions, Part 2/Rationalizing substitutions 7.5. Strategy for Integration 7.7. Approximate Integrals	Feb 07 Feb. 10 Feb. 12	Feb. 13 2:00 a.m. Feb. 17 2:00 a.m. Feb. 20 2:00 a.m.
Feb. 17 Mon. Feb. 19 Wed. Feb. 21 Fri.	Review for Exam 1 Return and discussion of Exam 1 7.8. Improper Integrals	Feb. 19	Feb. 25 2:00 a.m.
Feb. 24 Mon. Feb. 26 Wed. Feb. 28 Fri.	8.1. Arc Length 9.2. Direction Fields and Euler's Method 9.3. Separable Equations	Feb. 21 Feb. 24 Feb. 26	Feb. 27 2:00 a.m. Mar. 03 2:00 a.m. Mar. 04 2:00 a.m.
Mar. 03 Mon. Mar. 05 Wed. Mar. 07 Fri.	9.5. Linear Equations 11.1. Sequences 11.2. Series	Feb. 28 Mar. 03 Mar. 05	Mar. 06 2:00 a.m. Mar. 17 2:00 a.m. Mar. 18 2:00 a.m.
	Spring Break		
Mar. 17 Mon. Mar. 19 Wed. Mar. 21 Fri.	11.3. The Integral Test for p-series Review for Exam 2 Return and discussion of Exam 2	Mar. 07	Mar. 24 2:00 a.m.
Mar. 24 Mon. Mar. 26 Wed. Mar. 28 Fri.	11.4. The Comparison Tests 11.5. Alternating Series 11.6. Absolute Convergence and the Ratio and Root Tests	Mar. 21 Mar. 24 Mar. 26	Mar. 27 2:00 a.m. Mar. 31 2:00 a.m. Apr. 01 2:00 a.m.
Mar. 31 Mon. Apr. 02 Wed. Apr 04 Fri.	11.7. Strategy for Testing Series 11.8. Power Series 11.9. Representations of Functions as Power Series	Mar. 28 Mar. 31 Apr. 02	Apr. 03 2:00 a.m. Apr. 07 2:00 a.m. Apr. 08 2:00 a.m.
Apr 07 Mon. Apr 09 Wed. Apr 11 Fri.	11.10. Taylor and MacLaurin Series 11.11. Applications of Taylor Polynomials 10.1. Curves Defined by Parametric Equations	Apr. 04 Apr. 07 Apr. 09	Apr. 10 2:00 a.m. Apr. 14 2:00 a.m. Apr. 15 2:00 a.m.
Apr. 14 Mon. Apr. 16 Wed.	10.2. Calculus with Parametric Curves Review for Exam 3	Apr. 11	Apr. 24 2:00 a.m.
	Easter Break		
Apr. 23 Wed. Apr. 25 Fri.	Return and discussion of Exam 3 10.3. Polar Coordinates	Apr. 14	Apr. 29 2:00 a.m.
Apr. 28 Mon.	10.4. Areas and Lengths in Polar Coordinates	Apr. 25	May 01 2:00 a.m.