

## Homework Schedule Math10560 Spring 2022

Class Date	Topic covered in class	HW Appears	HW Due
Jan 10/11 M.Tu. Jan 12 Wed. Jan 14 Fri.	6.1. Inverse Functions 6.2*. The Natural Logarithmic Function 6.3*. The Natural Exponential Function	Jan 10 Jan 110 Jan 12	Jan 17 <b>2:00 a.m.</b> Jan 17 <b>2:00 a.m.</b> Jan 18 <b>2:00 a.m.</b>
Jan 19 Wed. Jan 21 Fri.	6.4*. General Logarithmic and Exponential Function 6.5. Exponential Growth and Decay	Jan 14 Jan 19	Jan 24 <b>2:00 a.m.</b> Jan. 25 <b>2:00 a.m.</b>
Jan. 24 Mon. Jan. 26 Wed. Jan. 28 Fri.	6.6. Inverse Trigonometric Functions 6.8. Indeterminate Forms and L'Hospital's Rule 7.1. Integration by Parts	Jan 21 Jan. 24 Jan. 26	Jan. 27 <b>2:00 a.m.</b> Jan. 31 <b>2:00 a.m.</b> Feb. 01 <b>2:00 a.m.</b>
Jan. 31 Mon. Feb. 04 Fri.	7.2. Trigonometric Integrals 7.3. Trigonometric Substitution	Jan. 28 Feb 02	Feb. 03 <b>2:00 a.m.</b> Feb. 08 <b>2:00 a.m.</b>
Feb 07 Mon. Feb 09 Wed. Feb. 11 Fri.	7.4. Integration of Rational Functions by Partial Fractions, Part 1 Partial Fractions, Part 2/Rationalizing substitutions 7.5. Strategy for Integration	Feb. 04 Feb. 07 Feb. 09	Feb. 10 <b>2:00 a.m.</b> Feb. 14 <b>2:00 a.m.</b> Feb. 21 <b>2:00 a.m.</b>
Feb. 14 Mon. Feb. 16 Wed. Feb. 18 Fri.	<b>Review for Exam 1</b> Return and discussion of Exam 1 7.7. Approximate Integrals	Feb. 16	Feb. 22 <b>2:00 a.m.</b>
Feb. 21 Mon. Feb. 23 Wed. Feb. 25 Fri.	7.8. Improper Integrals 9.2. Direction Fields and Euler's Method 9.3. Separable Equations	Feb. 18 Feb. 21 Feb. 23	Feb. 24 <b>2:00 a.m.</b> Feb. 28 <b>2:00 a.m.</b> Mar. 01 <b>2:00 a.m.</b>
Feb. 28 Mon. Mar. 02 Wed. Mar. 04 Fri.	9.5. Linear Equations 11.1. Sequences 11.2. Series	Feb. 25 Feb. 28 Mar. 02	Mar. 03 <b>2:00 a.m.</b> Mar. 14 <b>2:00 a.m.</b> Mar. 15 <b>2:00 a.m.</b>
	<b>Spring Break</b>		
Mar. 14 Mon. Mar. 16 Wed. Mar. 18 Fri.	11.3. The Integral Test for p-series <b>Review for Exam 2</b> Return and discussion of Exam 2	Mar. 04	Mar. 21 <b>2:00 a.m.</b>
Mar. 21 Mon. Mar. 23 Wed. Mar. 25 Fri.	11.4. The Comparison Tests 11.5. Alternating Series 11.6. Absolute Convergence and the Ratio and Root Tests	Mar. 18 Mar. 21 Mar. 23	Mar. 24 <b>2:00 a.m.</b> Mar. 28 <b>2:00 a.m.</b> Mar. 29 <b>2:00 a.m.</b>
Mar. 28 Mon. Mar. 30 Wed. Apr. 01 Fri.	11.7. Strategy for Testing Series 11.8. Power Series 11.9. Representations of Functions as Power Series	Mar. 25 Mar. 28 Mar. 30	Mar. 31 <b>2:00 a.m.</b> Apr. 04 <b>2:00 a.m.</b> Apr. 05 <b>2:00 a.m.</b>
Apr 04 Mon. Apr 06 Wed. Apr 08 Fri.	11.10. Taylor and MacLaurin Series 11.11. Applications of Taylor Polynomials 10.1. Curves Defined by Parametric Equations	Apr. 01 Apr. 04 Apr. 06	Apr. 07 <b>2:00 a.m.</b> Apr. 11 <b>2:00 a.m.</b> Apr. 12 <b>2:00 a.m.</b>
Apr. 11 Mon. Apr. 13 Wed.	10.2. Calculus with Parametric Curves <b>Review For Exam 3</b>	Apr. 08	Apr. 14 <b>2:00 a.m.</b>
	<b>Easter Break</b>		
Apr. 20 Wed. Apr. 22 Mon.	10.3. Polar Coordinates 10.4. Areas and Lengths in Polar Coordinates	Apr. 13 Apr. 20	Apr. 25 <b>2:00 a.m.</b> Apr. 26 <b>2:00 a.m.</b>