

Schedule Math10560 Spring 2020

01/14	Tue.	Orientation and course information
01/15	Wed.	6.1. Inverse Functions
01/17	Fri.	6.2*. The Natural Logarithmic Function
01/20	Mon.	Catch Up
01/21	Tue.	Quiz 1
01/22	Wed.	6.3*. The Natural Exponential Function
01/24	Fri.	6.4*. General Logarithmic and Exponential Function
01/27	Mon.	6.5. Exponential Growth and Decay
01/28	Tue.	Quiz 2
01/29	Wed.	6.6. Inverse Trigonometric Functions
01/31	Fri.	6.8. Indeterminate Forms and L'Hospital's Rule
02/03	Mon.	7.1. Integration by Parts
02/04	Tue.	Quiz 3
02/05	Wed.	7.2. Trigonometric Integrals
02/07	Fri.	7.3. Trigonometric Substitution
02/10	Mon.	7.4. Integration of Rational Functions by Partial Fractions
02/11	Tue.	Quiz 4
02/12	Wed.	7.4. Integration of Rational Functions by Partial Fractions
02/14	Fri.	7.5. Strategy for Integration
02/17	Mon.	Review for Exam 1
02/18	Tue.	Exam 1 (No Tutorial)
02/19	Wed.	Return and discussion of Exam 1 (Topics discussed will appear on Quiz/WS 5)
02/21	Fri.	7.7. Approximate Integrals
02/24	Mon.	7.8. Improper Integrals
02/25	Tue.	Quiz 5
02/26	Wed.	8.1. Arc Length
02/28	Fri.	9.2. Direction Fields and Euler's Method
03/02	Mon.	9.3. Separable Equations
03/03	Tue.	Quiz 6
03/04	Wed.	9.5. Linear Equations
03/06	Fri.	11.1. Sequences
03/09	Mon.	Spring Break
03/10	Tue.	Spring Break
03/11	Wed.	Spring Break
03/13	Fri.	Spring Break

03/16	Mon.	11.2. Series
03/17	Tue.	No Tutorial
03/18	Wed.	Review for Exam 2
03/19	Thur.	Exam 2
03/20	Fri.	Return and discussion of Exam 2 (Topics discussed will appear on Quiz/WS 7)
03/23	Mon.	11.3. The Integral Test for p-series.
03/24	Tue.	Quiz 7
03/25	Wed.	11.4. The Comparison Tests
03/27	Fri.	11.5. Alternating Series
03/30	Mon.	11.6. Absolute Convergence and the Ratio and Root Tests
03/31	Tue.	Quiz 8
04/01	Wed.	11.7. Strategy for Testing Series
04/03	Fri.	11.8. Power Series
04/06	Mon.	11.9. Representations of Functions as Power Series
04/07	Tue.	Quiz 9
04/08	Wed.	11.10. Taylor and Maclaurin Series
04/10	Fri.	Easter Break
04/13	Mon.	Easter Break
04/14	Tue.	Quiz 10
04/15	Wed.	11.11. Applications of Taylor Polynomials
04/17	Fri.	10.1. Curves Defined by Parametric Equations
04/20	Mon.	Review for Exam 3
04/21	Tue.	Exam 3 (No Tutorial)
04/22	Wed.	10.2. Calculus with Parametric Curves
04/24	Fri.	10.3. Polar Coordinates
04/27	Mon.	10.4. Areas and Lengths in Polar Coordinates
04/28	Tue.	Review worksheet.
04/29	Wed.	Review for Final
05/07	Thurs.	Final Exam 1:45-3:45 p.m.