Schedule   Math 10560   Fall 2024

08/27	Tue.	Course Information
08/28	Wed.	6.1. Inverse Functions
08/30	Fri.	6.2*. The Natural Logarithmic Function
09/02	Mon.	6.3*. The Natural Exponential Function
09/03	Tue.	Quiz 1, Topics: 6.1, 6.2*
09/04	Wed.	6.4*. General Logarithmic and Exponential Function.
09/06	Fri.	6.5. Exponential Growth and Decay
09/09	Mon.	6.6. Inverse Trigonometric Functions
09/10	Tue.	Quiz 2, Topics: 6.3*, 6.4*, 6.5
09/11	Wed.	6.8. Indeterminate Forms and L'Hôpital's Rule
09/13	Fri.	NO CLASS (Inauguration)
09/16	Mon.	7.1. Integration by Parts
09/17	Tue.	Quiz 3, Topics: 6.6, 6.8
09/18	Wed.	7.2. Trigonometric Integrals
09/20	Fri.	7.3. Trigonometric Substitution
09/23	Mon.	Review for Exam 1
09/24	Tue.	**Exam 1** (No Tutorial)
09/25	Wed.	Return and discussion of Exam 1/Catch Up
		(Topics discussed will appear on Quiz 4)
09/27	Fri.	7.4. Integration of Rational Functions by Partial Fractions
09/30	Mon.	7.4. Integration of Rational Functions by Partial Fractions
10/01	Tue.	Quiz 4, Topics: 7.1, 7.2, 7.3 + Topics from Exam 1
10/02	Wed.	7.5. Strategy for Integration
10/04	Fri.	7.7. Approximate Integrals
10/07	Mon.	7.8. Improper Integrals
10/08	Tue.	Quiz 5, Topics: 7.4, 7.5, 7.7
10/09	Wed.	9.2. Direction Fields and Euler's Method
10/11	Fri.	9.3. Separable Equations
10/14	Mon.	9.5. Linear Equations
10/15	Tue.	Quiz 6, Topics: 7.8, 9.2, 9.3
10/16	Wed.	Review for Exam 2
10/17	Thur.	**Exam 2**
10/18	Fri.	Return and discussion of Exam 2/Catch Up
		(Topics discussed will appear on Quiz/WS 8)
10/21	Mon.	Fall Break
10/23	Tue.	Fall Break
10/25	Wed.	Fall Break

10/28	Mon.	11.1. Sequences
10/29	Tue.	Quiz 7, Topics: 9.5 + topics from Exam 2
10/30	Wed.	11.2. Series
11/01	Fri.	11.3/11.4. p-series (using integral test) and comparison test.
11/04	Mon.	11.4. The Comparison Tests
11/05	Tue.	Quiz 8, Topics: 11.1, 11.2, 11.3
11/06	Wed.	11.5. Alternating Series
11/08	Fri.	11.6. Absolute Convergence and the Ratio and Root Tests
11/11	Mon.	11.7. Strategy for Testing Series
11/12	Tue.	Quiz 9, Topics: 11.4, 11.5, 11.6
11/13	Wed.	11.8. Power Series
11/15	Fri.	11.9. Representations of Functions as Power Series
11/18	Mon.	11.10. Taylor and Maclaurin Series
11/19	Tue.	Quiz 10, Topics: 11.7, 11.8, 11.9.
11/20	Wed.	Review for Exam 3
11/21	Thur.	**Exam 3**
11/22	Fri.	Return of Exam 3, Catch up/review
11/25	Mon.	11.10. Taylor and Maclaurin Series
11/26	Tue.	No Tutorial
11/27	Wed.	Thanksgiving Break
11/29	Fri.	Thanksgiving Break
12/02	Mon.	11.11. Applications of Taylor Polynomials
12/03	Tue.	Quiz 11 Topics 11.10 + topics from Exam 3
12/04	Wed.	10.1. Curves Defined by Parametric Equations
12/06	Fri.	10.2. Calculus with Parametric Curves
12/09	Mon.	10.3. Polar Coordinates
12/10	Tue.	Review(points for attendance) Topics: 11.11, 10.1-10.3
12/11	Wed.	10.4. Areas and Lengths in Polar Coordinates
12/18	Wed.	**Final Exam 1:45-3:45 p.m.**