Schedule Math10550 Fall 2024

Date	Day	Section	Topic
08/27	Tue.	Tutorial	Course Information, Precalculus Review
08/28	Wed.	Sections 1.1 - 1.3	Review of Functions and their properties
08/30	Fri.	Section 1.4	The tangent and velocity problems
09/02	Mon.	Section 1.5	The limit of a function
09/03	Tue.	Sections 1.1-1.4 + algebra precalculus and trigonometry.	Quiz 1
09/04	Wed.	Section 1.6	Calculating limits using the limit laws
09/06	Fri.	Section1.8	Continuity
09/09	Mon.	Section 2.1	Derivatives and rates of change
09/10	Tue.	Sections 1.5, 1.6, 1.8	Quiz 2
09/11	Wed.	Section 2.2	The derivative as a function
09/13	Fri.		No Class
09/16	Mon.	Section 2.3	Differentiation formulas
09/17	Tue.	Sections 2.1, 2.2	Quiz 3
09/18	Wed.	Section 2.4	Derivatives of trigonometric functions
09/20	Fri.	Section 2.5	The Chain Rule
09/23	Mon.	Section 2.6	Implicit differentiation
09/24	Tue.	Section 2.3, 2.4. 2.5	Quiz 4
09/25	Wed.		Review for Exam 1
09/26	Thurs.		**Exam 1, 8-9:15 a.m.**
09/27	Fri.		Return and discussion of Ex 1.
09/30	Mon.	Section 2.7	Rate of change in the natural and social sciences
10/01	Tue.	Section 2.6 + topics from Ex 1	Quiz 5
10/02	Wed.	Section 2.8	Related Rates
10/04	Fri.	Section 2.9	Linear approximation and differentials
10/07	Mon.	Section 3.1	Maximum and minimum values
10/08	Tue.	Sections 2.7, 2.8, 2.9	Quiz 6
10/09	Wed.	Section 3.2	The Mean Value Theorem
10/11	Fri.	Section 3.3	How derivatives affect the shape of a graph
10/14	Mon.	Section 3.3	How derivatives affect the shape of a graph
10/15	Tue.	Sections 3.1,3.2, 3.3	Quiz 7
10/16	Wed.		Review for Exam 2
10/17	Thu.		**Exam 2, 8-9:15 a.m.**
10/18	Fri.		Return and discussion of Exam 2

10/21	Mon.		Fall Break
10/22	Tue.		Fall Break
10/23	Wed.		Fall Break
10/25	Fri.		Fall Break
10/28	Mon.	Section 3.4	Limits at infinity; horizontal asymptotes
10/29	Tue.	Section 3.3 and some topics from Exam 2	Quiz 8
10/30	Wed.	Section 3.5	Summary of curve sketching
11/01	Fri.	Section 3.7.	Optimization problems
11/04	Mon.	Section 3.8	Newton's Method
11/05	Tue.	Sections 3.4, 3.5, 3.7	Quiz 9
11/06	Wed.	Section 3.9	Antiderivatives
11/08	Fri.	Section 4.1	Areas and distances
11/11	Mon.	Section 4.2	The definite integral
11/12	Tue.	Sections 3.8, 3.9, 4.1	Quiz 10
11/13	Wed.	Section 4.3	The Fundamental Theorem of Calculus
11/15	Fri.	Section 4.4	Indefinite integrals and the Net Change Theorem
11/18	Mon.	Section 4.5	The Substitution Rule
11/19	Tue.	Sections 4.2,4.3, 4.4	Quiz 11
11/20	Wed.		Review for Exam 3
11/21	Thur.		**Exam 3, 8-9:15 a.m.**
11/22	Fri.		Return and discussion of Exam 3
11/25	Mon.	Section 5.1	Area between curves
11/26	Tue.	No Tutorial	No Tutorial
11/27	Wed.		Thanksgiving Break
11/29	Fri.		Thanksgiving Break
12/02	Mon.	Section 5.2	Volumes
12/03	Tue.	Sections 4.5, 5.1 some topics from Exam 3	Quiz 12
12/04	Wed.	Section 5.3	Volumes by cylindrical shells
12/06	Fri.	Section 5.4	Work
12/09	Mon.	Section 5.5	Average value of a function
12/10	Tue.	Sections 5.2, 5.3, 5.4, 5.5	Review(Old Exam Questions) (points given for attendance and participation.)
12/11	Wed.		Review for Final
			Final Exam, (Date T.B.A.)