

MATH 142 FALL 2018 CALENDAR

Below is a rough schedule for the course. Some or all of the practice problems listed below may be assigned as homework at your instructor's discretion. Regardless, you should work through them all to help you master the material.

	Week	Sections / Events	Practice Problems
1	9/5–9/7	Classes begin – Wed. 9/5 7.1 - Integration by Substitution 7.2 - Integration by Parts	(7.1) 9, 13, 19, 29, 33, 39, 59, 61, 63 160, 161 (7.2) 7, 11, 17, 27, 31, 39, 41, 43, 45
2	9/10–9/14	7.2 (cont.) 7.4 - Algebraic Identities and Trig Substitutions	(7.4) 5, 12, 15, 21, 27, 31, 33, 35, 47, 52, 55, 61
3	9/17–9/21	7.4 (cont.) 7.5 - Numerical Methods for Definite Integrals	(7.5) 7, 11, 13, 24, 25
4	9/24–9/28	Drop deadline (no W) – Wed. 9/26 7.6 - Improper Integrals 7.7 - Comparison of Improper Integrals	(7.6) 9, 11, 15, 17, 19, 21, 25, 35, 39 (7.7) 3, 5, 7, 9, 10, 11, 19, 21, 25, 29, 31, 37, 41
5	10/1–10/5	Exam 1 – Tues. 10/2, 6-7:30 PM, CBLS 100 8.1 - Areas and Volumes 8.2 - Applications to Geometry	(8.1) 1, 3, 7, 11, 21, 39, 41 (8.2) 1, 3, 13, 17, 23, 29, 31, 33, 35, 37, 51
6	10/8–10/12	Columbus Day (no class) – Mon. 10/8 8.3 - Area and Length in Polar Coordinates 8.4 - Density and Center of Mass	(8.3) 1, 3, 5, 7, 11, 13, 15, 25, 29 31, 33, 37 (8.4) 3, 5b, 17, 24, 27, 31
7	10/15–10/19	Drop deadline (W on transcript) – Wed. 10/17 8.5 - Applications to Physics 8.7 - Distribution Functions 8.8 - Probability, Mean, and Median	(8.5) 13, 19, 21, 23, 41, 44 (8.7) 15, 21, 37 (8.8) 4, 5, 6, 7, 17
8	10/22–10/26	Exam 2 – Tues. 10/23, 6-7:30 PM, CBLS 100 9.1 - Sequences 9.2 - Geometric Series 9.3 - Convergence of Series	(9.1) 5, 11, 15, 20, 23, 25, 65 (9.2) 1, 3, 5, 13, 15, 21, 23, 25, 29, 35, 64, 65 (9.3) 7, 11, 17, 27, 33, 34, 49, 50
9	10/29–11/2	9.4 - Tests for Convergence	(9.4) 11, 13, 17, 21, 25, 29, 41, 46 75, 79, 81, 87, 89, 113, 123
10	11/5–11/9	9.5 - Power Series and Interval of Convergence 10.1 - Taylor Polynomials	(9.5) 9, 15, 21, 23, 25, 30, 37 (10.1) 3, 5, 13, 21, 39, 45
11	11/12–11/16	Veteran's Day (no class) – Mon. 11/12 Monday classes meet on Tues. 11/13 10.2 - Taylor Series 10.3 - Finding and Using Taylor Series	(10.2) 1, 2, 7, 15, 21, 23, 29, 31, 47, 49, 61, 65 (10.3) 5, 9, 15, 25, 41, 61, 63
12	11/19–11/23	Thanksgiving Break – Wed. through Fri. 10.3 (cont.)	
13	11/26–11/31	Exam 3 – Tues. 11/27, 6-7:30 PM, CBLS 100 10.4 - Error in Taylor Polynomial Approximations 11.1 - What is a Differential Equation? 11.2 - Slope Fields 11.3 - Euler's Method	(10.4) 1, 8, 19, 20 (11.1) 9, 11, 13, 25 (11.2) 1, 11, 21, 25 (11.3) 1, 5, 17
14	12/3–12/7	11.4 - Separation of Variables 11.5 - Growth and Decay	(11.4) 1, 7, 13, 21, 23, 29 (11.5) 1, 2, 7, 9, 11, 12, 23(a)
15	12/11–12/15	11.6 - Applications and Modeling Classes end – Tues. 12/11	(11.6) 1, 3, 5, 7, 13, 24