

MATH 219 Suggested Problems, Spring 2023

Based on the textbook, *Elementary Differential Equations and Boundary Value Problems*, Boyce and DiPrima, 9th ed., 2010. List will be updated as time progresses.

Week 1: Feb. 19-23	1	§1.1: 4, 10, 15-20 §1.3: 3, 4, 11, 18, 26 §2.2: 4, 6, 17, 23, 32, 36
	2	§2.1: 2, 5, 10, 14, 21, 28, 30, 32, 33, 36
Week 2: Feb. 26 - March 01	3	§2.3: 4, 5, 6, 8, 12, 14, 18, 21, 23, 26, 29
	4	§2.4: 1, 3, 5, 6, 8, 10, 12, 14, 16, 23, 27, 30
Week 3: March 04-08	5	§2.6: 3, 5, 9, 10, 13, 18, 21, 24, 30, 32
	6	§7.1: 19, 23 §7.2: 1, 2, 9, 11, 16, 21, 24, 25
Week 4: March 11-15	7,8	§7.3: 3, 4, 8, 14,15, 18, 22, 25, 26 ,32
Week 5: March 18-22	9	§7.4: 3, 7 §7.5: 9, 10, 14, 17, 31
	10	§7.6: 2a, 6a, 9, 14, 26
MIDTERM 1 (March 24)		
Week 6: March 25-29	11	§7.7: 3, 8, 10, 11 §7.8: 2c, 3c, 6, 9a, 17, 18, 19
	12	§7.9: 2, 5, 7, 10, 11, 13
Week 7: April 01-05	13	§4.1: 2, 4, 6, 9, 10, 13, 15
	14	§4.2: 14, 16, 17, 20, 22, 31, 32, 36, 37
Week 8: April 08-12		NO CLASSES April 10-12 Religious Holiday (Holiday eve Tuesday)
Week 9: April 15-19	15	§4.3: 2, 7, 8, 11, 12, 14, 17, 18, 21
	16	§4.4:3, 4, 5, 8, 11, 16
Week 10: April 22-26	17	§3.7: 3, 7, 12, 18, 26, 27 §3.8: 4, 6, 10, 11, 15, 17
	18	§5.1: 4, 7, 13, 16, 21, 26 §5.2: 1, 4, 8, 12, 20, 21 §5.3: 2, 7, 10, 12, 22, 23
Week 11: April 29- May 03	19	§5.4: 7, 10, 16, 20, 26, 37
	20	§5.5: 4, 10, 11, 12, 13
Week 12: May 06-10	21	§6.1: 1, 2, 10, 17, 23, 26, 27
	22	§6.2: 1, 4, 7, 9, 12, 16, 17 §6.3: 1, 3, 8, 10, 14, 20, 23, 38
MIDTERM 2 (May 11)		
Week 13: May 13-17	23	§6.4: 1, 3, 5, 10, 13, 16
	24	§6.5: 3, 7, 10, 15, 19 §6.6: 2, 4, 10, 11, 17, 20, 21, 22
Week 14: May 20-24	25	§10.1: 1, 2, 5, 6, 11, 13, 14, 15, 16, 20
	26	§10.2: 1, 2, 4, 8, 9, 10, 17, 18, 21, 22, 27, 28
Week 15: May 27-31	27	§10.3: 1, 3, 5, 6 §10.4: 7, 8, 11, 12, 17, 18, 19, 24, 26
	28	§10.5: 1, 3, 4, 5, 7, 8, 11, 14, 18, 21, 22
FINAL EXAM (June 06)		