

MATH 219 Suggested Problems, Spring 2017

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.20-24	1	§1.1: 6, 8, 15-20 §1.3: 1, 2, 10, 16, 28 §2.2: 3, 5, 11, 23, 31, 34
	2	§2.1: 3, 6, 11, 15, 30, 33, 34
Week 2: Feb.27-Mar.3	3	§2.3: 2, 3, 5, 13, 16, 19
	4	§2.4: 2, 6, 7, 10, 14, 22, 23
Week 3: Mar.6-10	5	§2.6: 1, 2, 7, 12, 14, 16, 19, 22, 32
	6	§7.1: 19, 20, 22 §7.2: 2, 4, 8, 10, 13, 21, 23
Week 4: Mar.13-17	7,8	§7.3: 2, 5, 9, 10, 13, 15, 19, 21, 22, 24
Week 5: Mar.20-24	9	§7.4: 5, 8 §7.5: 11, 12, 15, 17, 30
	10	§7.6: 1a, 6a, 8, 10, 25
Week 6: Mar.27-31	11	§7.7: 5, 7, 9 §7.8: 1c, 4c, 5, 8a, 16, 19, 20abc
	12	§7.9: 1, 3, 5, 10, 12, 13
Week 7: Apr.3-7	13	§4.1: 7, 9, 14, 16, 25
	14	§4.2: 12, 13, 18, 21, 22, 30, 33, 35
MIDTERM 1 (April 8, Saturday)		
Week 8: Apr.10-14	15	§4.3: 1, 3, 4, 7, 8, 10, 11, 12
	16	§4.4: 1, 2, 7, 9, 10, 16
Week 9: Apr.17-21	17	§3.7: 2, 6, 8, 19, 24, 30 §3.8: 2, 3, 5, 9, 16, 18
	18	§5.1: 3, 5, 12, 15, 22, 24 §5.2: 2, 5, 7, 14, 21 §5.3: 3, 6, 10, 13
Week 10: Apr.24-28	19	§5.4: 17, 20, 22, 29, 36
	20	§5.5: 3, 6, 8, 11, 14
Week 11: May.1-5	21	§6.1: 3, 4, 9, 20, 24, 26, 27
	22	§6.2: 2, 5, 6, 8, 11, 14, 17 §6.3: 2, 4, 7, 10, 13, 22, 24, 37
Week 12: May.8-12	23	§6.4: 2, 4, 5, 9, 12, 16
	24	§6.5: 2, 5, 11, 15, 17 §6.6: 3, 7, 8, 11, 15, 19, 21, 22
MIDTERM 2 (May 13, Saturday)		
Week 13: May.15-19	25	§10.1: 1, 2, 6, 11, 15, 20, 22
Week 14: May.22-26	26	§10.2: 1, 3, 8, 10, 14, 18, 23, 28 §10.3: 1, 3, 5, 6
	27	§10.4: 7, 8, 11, 17, 19, 23, 26 §10.5: 1, 3, 5, 7, 8, 12, 18, 21, 22
FINAL EXAM (between May 29-June 9)		