

Text: *Elementary Differential Equations and Boundary Value Problems*, by Boyce and DiPrima, 9th Edition, Wiley.

Course Web Page: www.math.purdue.edu/MA266

(Boldface letters denote Supplementary Problems available on the course web page.)

LESSON	SECTION	HOMEWORK
1	1.1 & dfield7	Page 8: #2, 5, 12, 16 (use dfield7)
2	1.2 & 1.3	Page 15: #1(c), 7; Page 24: #2, 6, 7, 11, 18, 20; A
3	2.1	Page 39: #1, 3, 13, 16, 21, 24
4	2.2	Page 47: #3, 7, 9, 11, 14, 22, 28
5	2.2 (Homog. eqns)	Page 47: #32, 36; B; C
6	2.3	Page 59: #1, 2, 3, 4, 12
7	2.3	Page 62: #16, 20, 21, 22, 23, 29
8	2.4	Page 75: #2, 4, 7, 8, 17, 19, 22(a)(b); D
9	2.5	Page 88: #3, 4, 9, 22; E
10	2.6	Page 99: #1, 2, 4, 7, 13, 16, 18; F
11	2.7	Page 109: #1, 6
12	2.7	G; H; I
13	3.1	Page 144: #1, 4, 6, 10, 16, 19, 22
14	3.2	Page 155: #2,4,8,9,11,13,14,24,25(Review complex numbers)
15	3.3	Page 163: #11, 14, 17, 18, 23
16	3.4	Page 171: #3, 4, 6, 14, 16, 25, 28
17	3.5	Page 183: #1, 3, 4, 6, 13, 14, 19(a), 20(a)
18	3.6	Page 189: #2, 7, 13; J
19	3.7	Page 202: #3, 4, 5, 9
20	3.7 & 3.8	Page 203: #17, 28; (Project #1)
21	3.8	Page 215: #5, 7, 9
22	4.1 & 4.2	Page 224: #4, 6; Page 232: #11, 13, 22, 29, 31
23	4.3	Page 237: #4, 6, 11, 15, 18; K; (Project #2)
24	6.1	Page 311: #3, 5(b), 8, 10, 11, 15
25	6.2	Page 320: #2, 4, 8, 10, 11, 14, 21, 26
26	6.3	Page 328: #1, 2, 13, 14, 16, 18, 20, 21, 23
27	6.4	Page 336: #2, 4, 7, 9, 12
28	6.5	Page 343: #1, 2, 5, 14(a)(b); L
29	6.6	Page 350: #4, 5, 7, 8, 11, 13, 14
30	7.1 & 7.2	Page 359: #1, 2; M ; Page 371: #2, 22, 23
31	7.3 & 7.4	Page 384: #16, 17, 20
32	7.5	Page 398: #1, 4, 16; N
33	7.6	Page 409: #1, 2, 6, 10; (Project #3)
34	7.8	Page 428: #3, 7; O
35	7.9	Page 440: #7; P