

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

Course Webpage: <http://www.math.purdue.edu/MA266>

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

Lesson	Section	Homework
1	1.1 & dfield8	p. 8: 2, 5, 12, 16, (use dfield8)
2	1.2 & 1.3	p. 15: 1(c), 7; p. 24: 2, 6, 7, 11, 18, 20; A
3	2.1	p. 39: 1, 3, 13, 16, 21, 24
4	2.2	p. 47: 3, 7, 9, 11, 14, 22, 28
5	2.2 (Homog. eqns)	p. 47: 32, 36; B; C
6	2.3	p. 59: 1, 2, 3, 4, 12
7	2.3	p. 62: 16, 20, 21, 22, 23, 29
8	2.4	p. 75: 2, 4, 7, 8, 17, 19, 22(a)(b); D
9	2.5	p. 88: 3, 4, 9, 22; E
10	2.6	p. 99: 1, 2, 4, 7, 13, 16, 18; F
11	2.7	p. 109: 1, 6
12	2.7	G; H; I
13	3.1	p. 144: 1, 4, 6, 10, 16, 19, 22
14	3.2	p. 155: 2, 4, 8, 9, 11, 13, 14, 24, 25 (Review complex numbers)
15	3.3	p. 163: 11, 14, 17, 18, 23
16	3.4	p. 171: 3, 4, 6, 14, 16, 25, 28
17	3.5	p. 183: 1, 3, 4, 6, 13, 14, 19(a), 20(a)
18	3.6	p. 189: 2, 7, 13; J
19	3.7	p. 202: 3, 4, 5, 9
20	3.7 & 3.8	p. 203: 17, 28; (Project 1)
21	3.8	p. 215: 5, 7, 9
22	4.1 & 4.2	p. 224: 4, 6; p. 232: 11, 13, 22, 29, 31
23	4.3	p. 237: 4, 6, 11, 15, 18; K; (Project 2)
24	6.1	p. 311: 3, 5(b), 8, 10, 11, 15
25	6.2	p. 320: 2, 4, 8, 10, 11, 14, 21, 26
26	6.3	p. 328: 1, 2, 13, 14, 16, 18, 20, 21, 23
27	6.4	p. 336: 2, 4, 7, 9, 12
28	6.5	p. 343: 1, 2, 5, 14(a)(b); L
29	6.6	p. 350: 4, 5, 7, 8, 11, 13, 14
30	7.1 & 7.2	p. 359: 1, 2; M ; p. 371: 2, 22, 23
31	7.3 & 7.4	p. 384: 16, 17, 20
32	7.5	p. 398: 1, 4, 16; N
33	7.6	p. 409: 1, 2, 6, 10; (Project 3)
34	7.8	p. 428: 3, 7; O
35	7.9	p. 440: 7; P