

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

Boldface letters denote Supplemental Problems available on the course web page:
www.math.purdue.edu/courses

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