

Text: *Elementary Differential Equations and Boundary Value Problems*, by Boyce and DiPrima, 8th Edition, Wiley (interactive CD is recommended but not required)

Lesson	Sections	Problems
1	1.1 & dfield6	p.8: 1,2,11,16(use dfield6)
2	1.2	p.15: 1(a),7
	1.3	p.24: 1,2,7,11,18,20; A*
3	2.1	p.39: 1,2,13,16,21,24
4	2.2	p.47: 1,7,9,11,14,22,28(a)(b),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: 1,3,7,8,17,18,22(a)(b); D; E
7	2.5	p.88: 3,4,9,22; F
8	2.6	p.99: 1,2,3,7,13,15,18; G
9	2.7	p.107: 1,6; H; I; J; K; L
10	3.1	p.142: 1,4,6,10,16,19,22
11	3.2	p.151: 2,4,8,9,11,13,14,23,24 (Review complex numbers)
12	3.4	p.164: 11,14,17,18,23
13	3.5	p.172: 3,4,6,14,16,25,28
14	3.6	p.184: 1,2,3,4,13,14,19(a), 20(a)
15	3.7	p.190: 2,7,13; M
16	3.8	p.203: 3,4,5,9,17,28 (Project #1 due)
17	3.9	p.214: 5,7,9
18	4.1	p.222: 4,6; (Project #2 due)
	4.2	p.230: 11,13,22,29,31
19	4.3	p.235: 4,6,11,15,18; N; O
20	6.1	p.312: 3,5(a), 8,9,11,15
21	6.2	p.322: 2,4,8,10,11,14,21,26
22	6.3	p.329: 1,2,7,8,10,12,14,15,17
23	6.4	p.337: 1,4,7,9,12; P
24	6.5	p.344: 1,2,3,14(a)(b); Q
25	6.6	p.351: 4,5,7,8,11,13,14
26	7.1, 7.2, 7.3, 7.4	p.360: 1,2; R ; p.372: 2,22,23; p.384: 15,16,19
27	7.5	p.398: 1,2,16; S
28	7.6	p.410: 1,2,6,10; (Project #3 due)
29	7.8	p.428: 3,8
30	7.9	p.439: 7; T (omit part b)

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

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