

Text: *Elementary Differential Equations and Boundary Value Problems*, by Boyce and DiPrima, 7th Edition, Wiley (interactive CD is recommended but not required)

Lesson	Sections	Problems
1	1.1 & <b>dfield6</b>	p.8: 1,2,11,22(use <b>dfield6</b> )
2	1.2	p.14: 1(a),6
	1.3	p.22: 1,2,7,11,18,20; <b>A*</b>
3	2.1	p.38: 1,2,13,16,21,23
4	2.2	p.45: 1,7,9,11,14,22,28(a)(b),32,36; <b>B; C</b>
5	2.3	p.57: 1,2,3,4,14,18,19,21,22,24,29
6	2.4	p.72: 1,3,7,8,17,18,22(a)(b); <b>D; E</b>
7	2.5	p.84: 3,4,9,22; <b>F</b>
8	2.6	p.95: 1,2,3,7,13,15,18; <b>G</b>
9	2.7	p.103: 1,6; <b>H; I; J; K; L</b>
10	3.1	p.136: 1,4,6,10,16,19,22
11	3.2	p.145: 2,4,8,9,11,13,14,23,24 (Review complex numbers)
12	3.4	p.158: 11,14,17,18,23
13	3.5	p.166: 3,4,6,14,16,25,28
14	3.6	p.178: 1,2,3,4,13,14,19(a), 20(a)
15	3.7	p.183: 2,7,13; <b>M</b>
16	3.8	p.197: 3,4,5,9,17,28 ( <b>Project #1</b> due)
17	3.9	p.205: 5,7,9
18	4.1	p.212: 4,6; ( <b>Project #2</b> due)
	4.2	p.220: 11,13,22,29,31
19	4.3	p.224: 4,6,11,15,18; <b>N; O</b>
20	6.1	p.298: 3,5(a), 8,9,11,15
21	6.2	p.307: 2,4,8,10,11,14,21,26
22	6.3	p.314: 1,2,7,8,10,12,14,15,17; <b>P; Q</b>
23	6.4	p.321: 1,4,5,7,9,12
24	6.5	p.328: 1,2,3,14(a)(b)
25	6.6	p.335: 4,5,7,8,11,12,13
26	7.1, 7.2, 7.3, 7.4	p.344: 1,2; <b>R</b> ; p.355: 2,22,23; p.367: 15,16,19
27	7.5	p.381: 1,2,16; <b>S</b>
28	7.6	p.390: 1,2,6,10; ( <b>Project #3</b> due)
29	7.8	p.407: 3,8
30	7.9	p.417: 7; <b>T</b>

\*Boldface letters denote Supplemental Problems available on the course web page:  
[www.math.purdue.edu/courses](http://www.math.purdue.edu/courses)

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