

Textbook: *Elementary Differential Equations and Boundary Value Problems*, by Boyce and DiPrima, 10th Edition, Wiley (with WebAssign access code)

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

Supplementary Problems (A, B, ..., P) and *Computer Projects (Projects #)* are available on the course webpage. **NOTE: these problems are NOT optional, they are required**

Online Homework (WebAssign): <https://webassign.net/purdue/login.html>

Lesson	Section	Online Homework (WebAssign)	Hand-Graded Homework
1	1.1 & dfield	§1.1: 11, 14, 15, 17, 19	§1.1: 2, 5
2	1.2 & 1.3	§1.2: 1, 8; §1.3: 1, 2, 3, 4, 6, 18, 20	§1.3: 8, 11; A
3	2.1	§2.1: 1, 13, 18, 23, 28, 32	§2.1: 3, 24
4	2.2	§2.2: 1, 4, 9, 22, 23	§2.2: 11, 14, 28
5	2.2 (homog. eqs.)	§2.2: 32	§2.2: 36; B, C
6	2.3	§2.3: 3, 4	§2.3: 1, 2
7	2.3	§2.3: 20, 23	§2.3: 16, 21, 22, 29
8	2.4	§2.4: 2, 4, 7, 11, 18, 28	§2.4: 17, 22(a,b); D
9	2.5	§2.5: 3, 12, 17	§2.5: 4, 22; E
10	2.6	§2.6: 1, 3, 6, 8, 10, 14, 16	§2.6: 18; F
11	2.7	§2.7: 1, 4	§2.7: 20(a,b,d)
12	2.7	§2.7: 12, 17	G, H, I
13	3.1	§3.1: 1, 2, 6, 7, 10, 16, 17, 23	§3.1: 19, 22
14	3.2	§3.2: 1, 5, 7, 9, 18, 24, 28	§3.2: 13, 14, 25
15	3.3	§3.3: 1, 6, 8, 10, 11, 19	§3.3: 17, 23
16	3.4	§3.4: 2, 4, 8, 14, 18, 23	§3.4: 15, 25
17	3.5	§3.5: 1, 2, 5, 8, 10, 16, 18, 20	§3.5: 15, 21(a), 22(a)
18	3.6	§3.6: 2, 3, 10, 13	§3.6: 15; J
19	3.7	§3.7: 1, 3, 4, 6	
20	3.7 & 3.8	§3.7: 17	§3.7: 9, 28; Project 1
21	3.8	§3.8: 6, 9, 10	§3.8: 7
22	4.1 & 4.2	§4.1: 3, 4, 6; §4.2: 11, 12, 19, 22, 31, 34	
23	4.3	§4.3: 2, 4, 6, 10, 12, 16, 18	K, Project 2
24	6.1	§6.1: 1, 4, 10, 12	§6.1: 5(b), 8, 15
25	6.2	§6.2: 1, 5, 8, 11, 19, 24, 26	§6.2: 10, 21
26	6.3	§6.3: 13, 14, 17, 19, 22	§6.3: 1, 2, 18, 21, 23
27	6.4	§6.4: 1, 2, 3, 6, 9, 11, 12	
28	6.5	§6.5: 1, 4, 8, 11	§6.5: 14(a,b); L
29	6.6	§6.6: 6, 8, 10, 14, 17	§6.6: 4, 5
30	7.1* & 7.2*	§7.1: 1, 2, 10 ; §7.2: 2	§7.2: 22, 23; M
31	7.3* & 7.4*	§7.3: 13, 16	§7.3: 17, 20
32	7.5*	§7.5: 9, 15	§7.5: 1, 4; N
33	7.6*	§7.6: 1, 10, 16	§7.6: 2, 6; Project 3
34	7.8*	§7.8: 1, 7, 9	O
35	7.9*	§7.9: 3, 7	P

*Limit to 2×2 systems in Chapter 7