

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 |
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| 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