

M244
Introduction to Ordinary Differential Equations
Homework Assignments to Exam 3

Homework problems in the text that have a blue computer mouse next to them means that they should be done on a computer (Maple or Wolfram Alpha).

| DATE | Homework |
|--------|---|
| Mar 29 | Sect 6.1: 1-7 odd, 15, 21, 23, 27 (26 in class) Complex handout (restates 6, 13, 16) |
| Mar 31 | Sect 6.2: 2, 4, 8, 10, 12, 14, 20, 22, 24, 28, 29, 30, 33, 37 |
| Apr 01 | Sect 6.3: 2, 3, 6, 8, 11, 14, 15, 19-21, 25, 27, 28, 32, 33, 35 |
| Apr 05 | Sect 6.4: 2-8 even, 14-16, 19-22 Use Maple/Wolfram Alpha to do the plots. |
| Apr 07 | Sect 6.5: 1, 2, 3, 5, 7, 14, 15-19 |
| Apr 08 | Sect 6.6: 2, 3, 4, 6, 8, 9, 13, 14, 21, 22, 23, 26, 27 |
| Apr 12 | No classes. |
| Apr 14 | Sect 5.1: 1-14 even, 18-23 |
| Apr 15 | Sect 5.2: 2, 5, 6, 8, 15, 16, 19, 20, 23, 24 |
| Apr 19 | Sect 5.3: 1, 3, 5, 6, 10, 11, 12, 15, 16, 17, 18 |
| Apr 21 | Review/Catch Up |
| Apr 22 | Exam 3 , Chapters 6, 5.1-5.3 |

For the last two weeks of class, we will discuss elements from Chapters 7 (Linear systems), and Chapter 9 (Nonlinear systems). Homework will be handed out as we go.