

Homework Assignments given on:

Each assignment appears just below the date of the class meeting in which it is given. Each “Short Quiz” assignment refers to a short quiz that will be given towards the end of the next class meeting.

January 9

1. Skim over 1.1–1.3 and start on 1.4.
2. Problems to work on:
 - p. 8: 1, 3, 5, 7, 17, 23, 26, 27, 32, 33
 - p. 15: 1, 3, 6, 7, 9, 11, 17, 18, 23
 - p. 24: 1, 11–15
 - p. 40: 1–3

January 11 (for next Wednesday)

1. Study 1.4 and 1.5.
2. Problems to work:
 - p. 40: 5, 8, 13, 19, 23, 24, 33, 49, 65
 - p. 53: 1, 3, 5, 7
3. Short Quiz No. 1 on what we have done in class and in 1.1–1.4.

January 18

1. Study 1.5, “Dilution Problems” on our class Web site, and start on 1.6.
2. Problems to work:
 - homework problems on “Dilution Problems”
 - p. 53: 11, 12, 15, 19, 33

January 23

1. Continue studying 1.6 and “Dilution Problems.”
2. Problems to work:
 - p. 69: 1, 3, 7, 9, 15, 17
3. Short Quiz No. 2 on what we have done in class, in 1.5, and in pp. 57–60.
4. Short Quiz/Hand-in No. 3, which is now on our class Web site, is due in one week from today.

January 25

1. Study 2.1.
2. Problems to work:
 - p. 69: 19, 21, 23, 33, 35, 37, 43, 47
 - p. 82: 1, 3, 9, 21
3. Short Quiz/Hand-in No. 3 is due in at the beginning of class (on Monday).

January 30

1. Study pp. 86–the middle of p. 89.
2. Problems to work:
 - p. 69: 39–41
 - p. 82: 5, 6
 - p. 91: 1, 3, 5, 9
3. Short Quiz on solving Bernoulli DE's, exact DE's, and a problem like exercises 1–6 on p. 82.

February 1

1. Study pp. 93–95.
2. Problems to work:
 - p. 91: 2, 4
 - p. 100: 7(a), 9
3. Begin reviewing for Test No. 1, which will be on next Wednesday, February 8 and will cover what we have done in class and in 1.1–1.6, 2.1, pp. 86–the middle of 89, and pp. 93–95.
4. Problem Session next Tuesday at 4:15 p.m. in LeConte 405.

February 6

1. Review for this Wednesday's Test No. 1, which will cover what we have done in class and in 1.1–1.6, 2.1, pp. 86–the middle of 89, and pp. 93–95.
2. Problem Session tomorrow at 4:15 p.m. in LeConte 405.

February 8

1. Study 3.1.
2. Problems to work:
 - p. 8: 13, 15, 16
 - p. 147: 1, 3, 5

February 13

1. Study class notes and begin studying 3.2.
2. Problems to work:
 - p. 147: 9, 11–13, 20, 21, 23, 29, 33, 35, 37, 39
3. Short Quiz on what we do in class today, and problems like the homework problems assigned on p. 8 and the ones assigned on p. 147 among 1–13 and 33–38.

February 15

1. Study 3.2.
2. Problems to work:
 - p. 147: 30, 36, 40, 43, 45, 47
 - p. 159: 1, 3, 5, 13, 15

February 20

1. Study pp. 162–164 and begin studying “Information on Complex Numbers” on our class Web site.
2. Problems to work:
 - p. 159: 7, 9, 17, 18, 21, 23, 27–29
 - p. 171: 1, 3, 5, 7, 9, 23
3. Short Quiz on what we have done in class and in 3.1 and 3.2.

February 22

1. Study the rest of 3.3, pp. 185–Ex. 10 on p. 192, and “Information on Complex Numbers.”
2. Problems to work:
 - the exercises given in “Information on Complex Numbers”
 - p. 171: 11, 13, 15, 17, 19, 27, 29, 31, 33
 - p. 195: 1, 3, 7, 11

February 27

1. Study 3.5 and today’s handout on using the method of undetermined coefficients to solve certain nonhomogeneous linear differential equations.
2. Problems to work:
 - p. 195: the odd numbered problems among 13–19 and all of 21–31, 33, 35
3. Short Quiz on problems like the exercises in “Information on Complex Numbers” and the exercises assigned on p. 171.

March 1

1. Review for Test No. 2, which will be on Wednesday, March 15 and will cover what we have done in class and in 3.1–3.3, 3.5, Monday’s handout on using the method of undetermined coefficients to solve certain nonhomogeneous linear differential equations (see also our class Web site for a copy), and “Information on Complex Numbers.”
2. Problems to work:
 - p. 195: 37, 39, 49, 53
3. Problem Session on Tuesday, March 14 at 4:15 p.m. in LeConte 405.

March 13

1. Review for this Wednesday’s Test No. 2, which will cover what we have done in class and in 3.1–3.3, 3.5, the handout on using the method of undetermined coefficients to solve certain nonhomogeneous linear differential equations (see also our class Web site for a copy), and “Information on Complex Numbers.”
2. Problem Session tomorrow at 4:15 p.m. in LcConte 405.

March 15

1. Re-study pp. 164–165 and pp. 192–195 and begin studying 7.1.
2. On p. 445, work on 1, 7, 8.

March 20

1. Study class notes and continue studying 7.1.
2. Problems to work from:
 - p. 446: 13, 15, 16
 - today's handout: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 27, 29, 35, 39, 41, 43, 55
3. Short Quiz No. 8 on what we do in class today, plus exercises like the homework problems above, excluding 35–55.
4. Short Quiz/Hand-in No. 9, now on our class Web site, is due in on Monday, March 27.

March 22

1. Continue studying 7.1.
2. Problems to work from:
 - Monday's handout: 53, 55, 57
 - p. 446: 17–19, 21, 22
3. Short Quiz/Hand-in No. 9 is due in at the beginning of class on Monday.

March 27

1. Study class notes, today's handout "Variation of Parameters" (also on our class Web site), and continue studying 7.1.
2. Problems to work from:
 - p. 446: 23, 26–32
 - the exercises on today's handout
3. Short Quiz on Laplace transform exercises like those done in class and on pp. 445–446.

March 29 (REVISED due to cancellation of class on 4/3/17)

1. Study pp. 447–454.
2. Problems to work on p. 456: 1–5, 7, 9, 17, 19, 21, 23

April 5 (REVISED TWICE due to cancellations of class meetings during the week of 4/3/17)

1. Study class notes, pp. 458–462, pp. 467–469 and pp. 474–476.
2. Problems to work from:
 - p. 456: 11, 13
 - p. 464: 11, 13, 15, 17, 19, 27, 29, 31
 - p. 473: 1, 3, 7, 8, 15–17
 - p. 482: 1, 3, 11, 13

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April 10 (REVISED due to cancellations of class meetings during the week of 4/3/17)

1. Review for Test No. 3, which will be on Monday, April 17 and will cover what we have done in class, in quizzes 8–10, the handout on the Method of Variation of Parameters (for solving 2nd order DEs), 7.1, pp. 164–165, pp. 192–195, pp. 447–454, pp. 458–462, pp. 467–469, and pp. 474–476.
2. Problems to work:
 - p. 465: 28, 30, 32, 39
 - p. 482: 31, 33, 35
3. Problem Session this Sunday at 3:00 p.m. in LeConte 405.

April 12 (REVISED due to cancellations of class meetings during the week of 4/3/17)

1. Review for Monday's Test No. 3, which will cover what we have done in class, in quizzes 8–10, the handout on the Method of Variation of Parameters (for solving 2nd order DEs), 7.1, pp. 164–165, pp. 192–195, pp. 447–454, pp. 458–462, pp. 467–469, and pp. 474–476.
2. Problem Session this Sunday at 3:00 p.m. in LeConte 405.

April 17

1. Study pp. 228–230 and 4.2.
2. Problems to work from:
 - p. 246: 1, 2, 3
3. Our Final Exam is on Friday, April 28 at 4:00 p.m.
4. Problem Session on Thursday, April 27 at 4:00 p.m. in LeConte 405.

April 19

1. Begin reviewing for the Final Exam, which is on Friday, April 28 at 4:00 p.m.
2. Problems to work from:
 - p. 246: 5–8
3. Problem Session on Thursday, April 27 at 4:00 p.m. in LeConte 405.

April 24

1. Review for the Final Exam, which is on Friday, April 28 at 4:00 p.m.
2. Problem Session on Thursday, April 27 at 4:00 p.m. in LeConte 405.