Homework Assignments given in MATH 241-E01 on

Monday, August 24
1. Study class notes, 12.1, and most of 12.2.
2. Problems to work on:
   - p. 769: 1, 3–7, 9(b), 10–13, 15, 17, 19(a), 20, 21, 23, 25, 28, 29, 31, 32
   - p. 777: 1–3, 7, 11, 13, 15, 17, 19, 23, 24

Wednesday, August 26
1. Study 12.3.
2. Problems to work:
   - p. 777: 25, 35, 59
   - p. 784: 1, 3, 5, 9, 11, 23, 25
3. Short Quiz (next Monday) on (i) what we have done in class and in 12.1 and 12.2, and (ii) the definition of the dot product of two vectors.

Monday, August 31
1. Study 12.4.
2. Problems to work on:
   - p. 785: 29 (direction cosines only), 35, 37, 41, 43, 45–47
   - p. 792: 1, 3, 7, 9, 13

Wednesday, September 2
1. Study 12.5.
2. Problems to work on:
   - p. 785: 42
   - p. 792: 19, 27, 29, 35
   - p. 802: 1, 3, 7, 17, 19, 43, 64
3. Short Quiz (next Wednesday) on what we have done in class and in 12.3 and 12.4, and a problem like exercise 7 on p. 802.

Wednesday, September 9
1. Study 12.6 and start on 13.1.
2. Problems to work on:
   - p. 802: 15, 21, 23, 27, 29, 33, 35, 39, 45, 49, 51, 67, 69, 71, 75
   - p. 810: 1, 3, 5, 7, 9, 11

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Monday, September 14
2. Problems to work on:
   - p. 802: 55(a), 57
   - p. 811: 13, 15, 17, 21, 23, 25, 27, 29, 31, 41, 43
   - p. 822: 1, 3, 5, 7, 9, 17, 19, 20, 22
3. Short Quiz on the rest of 12.4, 12.5, 12.6, and class notes.

Wednesday, September 16
1. Continue studying 13.2, and review for Test No. 1, which will be one week from today and will cover what we have done in class and in 12.1–12.6, 13.1, and 13.2.
2. Problems to work on:
   - p. 828: 3, 5, 9, 11, 13, 19, 23–25, 33, 35, 39
3. Next Tuesday there will be a problem session starting at 4:30 p.m. in LeConte 115.

Monday, September 21
1. Review for this Wednesday’s Test No. 1, which will cover what we have done in class and in 12.1–12.6, 13.1, and 13.2.
2. Problem Session tomorrow starting at 4:30 p.m. in LeConte 115.

Wednesday, September 23
Study pp. 830–831 and pp. 838–the middle of p. 842.

Monday, September 28
2. Problems to work on:
   - p. 836: 1, 3, 5, 11, 13, 15
   - p. 846: 5, 7, 11, 13
3. Short Quiz on today’s class and pp. 830–831, including: finding the length of a curve and the tangent line to a curve at a point; and solving a problem like the one in Example 2 on p. 831.

Wednesday, September 30
2. Problems to work on:
   - p. 865: 1, 5–7, 9, 11, 13, 19, 21, 23, 25, 27, 29, 31, 39
   - p. 877: 1, 5
3. Hand-in/Short Quiz No. 6, now available on our class Web site, will be due in on 10/14/15, one week from next Wednesday (due to the USC closure during the week of October 5, instead of being due in on 10/12/15).

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Monday, October 12
1. Study 14.3 and start on 14.4.
2. Problems to work on:
   p. 867: 32, 35, 47, 48
   p. 877: 7, 9, 13, 14, 17, 33
   p. 889: 15, 17, 19
4. Hand-in/Short Quiz No. 6 is due in at the beginning of class.
5. As also noted elsewhere, USC has changed the last day to withdraw from a course without receiving a WF to next Monday, 10/19/15.

Wednesday, October 14
1. Study 14.4 and begin reviewing for next Wednesday’s Test No. 2, which will cover what we have done in class and in pp. 830–831, p. 838–the middle of p. 842, and 14.1–14.4.
2. Problems to work on:
   p. 889: 1, 3, 5, 33, 35, 45, 89
   p. 899: 1–3, 5, 11
3. Next Tuesday there will be a problem session starting at 4:30 p.m. in LeConte 115.

Monday, October 19
1. Review for this Wednesday’s Test No. 2, which will cover what we have done in class and in pp. 830–831, p. 838–the middle of p. 842, and 14.1–14.4.
2. Problem Session tomorrow starting at 4:30 p.m. in LeConte 115.

Wednesday, October 21
1. Study 14.5 and start on 14.6.
2. Problems to work on:
   p. 907: 1, 3, 5, 7, 11, 13, 35, 38, 39

Monday, October 26
2. Problems to work on:
   p. 907: 14
   p. 920: 5, 7, 9, 11, 13, 15, 19
3. Short Quiz on today’s class, including problems similar to those worked today and some of the homework problems assigned above.

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Wednesday, October 28
1. Study 15.1 and 15.2.
2. Problems to work:
   p. 920: 1, 21, 23, 25, 27(b), 33, 39, 41, 43, 59
   p. 958: 1

Monday, November 2
1. Study 15.3.
2. Problems to work on:
   p. 964: 1, 3, 5, 7
   p. 972: 1, 11, 19, 21, 39, 41, 43, 45
3. Short Quiz No. 8 on problems like those done in today’s class and the ones previously assigned on p. 920 and p. 958.

Wednesday, November 4
1. Study 15.4 and pages 980–981.
2. Problems to work on:
   p. 972: 23, 25, 46, 47, 48, 50
   p. 978: 1, 5, 7, 19, 23, 26
   p. 988: 5

Monday, November 9
1. Study 15.6 and start on 15.7.
2. Problems to work on:
   p. 978: 22, 25, 29–32
   p. 998: 3, 19–22
3. Short Quiz No. 9 on problems like those done in today’s class and in 15.3 and 15.4.
4. Hand-in/Short Quizzes Nos. 10 & 11, now available on our class Web site, will be due in one week from today.

Wednesday, November 11
2. Problems to work on:
   p. 1004: 19, 21, 22, 23(a), 25 mass only, 26
3. Hand-in/Short Quizzes Nos. 10 & 11 will be due in at the beginning of class (on Monday).

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Monday, November 16

1. Review for next Monday’s Test No. 3, which will cover what we have done in class and in 14.5, 14.6, 15.1–15.4, pp. 980–981, 15.6, 15.7, pp. 1026–1028, and 16.2.
2. Problems to work on:
   - p. 1043: 3, 11, 19, 21, 32(a), 34 & 36 (mass only), 43
3. This coming Sunday there will be a problem session starting at 3:00 p.m. in LeConte 405.

Wednesday, November 18

1. Review for next Monday’s Test No. 3, which will cover what we have done in class and in 14.5, 14.6, 15.1–15.4, pp. 980–981, 15.6, 15.7, pp. 1026–1028, and 16.2.
2. There will be a problem session this coming Sunday starting at 3:00 p.m. in LeConte 405.

Monday, November 23

1. Study 16.3 and 16.4.
2. Problems to work on p. 1053: 1, 3, 5, 7, 9

Monday, November 30

1. Begin reviewing for the Final Exam, which will be next Monday, 12/7/15 at 4:00 p.m.
2. Problems to work on:
   - p. 1054: 13, 15, 17, 19, 21, 29–33
   - p. 1060: 1, 3(b), 5, 7, 9, 18
3. There will be a problem session this coming Sunday starting at 3:00 p.m. in LeConte 405.

Wednesday, December 2

1. Review for the Final Exam, which will be this coming Monday, 12/7/15 at 4:00 p.m.
2. There will be a problem session this Sunday starting at 3:00 p.m. in LeConte 405.