

Calculus of Several Variables (Math 214)

Assignments

Fall Semester, 2004

Assignments are listed by the **date due**.

PDF and DVI (requires TeX^1 software) versions of this page are available for printing.

Most of these assignments are simply exercises designed to prepare you for the quizzes and the written assignments. Those which are to be submitted as written assignments are so labeled. While you may find it helpful to discuss the exercises with others, no collaboration is permitted on the written assignments.

Thu., Dec. 16:

Final Examination 1:00 – 3:00

Exam Period Office Hours

Mon. Dec. 13: 3:00 – 4:00

Tue. Dec. 14: 2:30 – 3:30

Wed. Dec. 15: 2:30 – 3:30

Wed., Dec. 8:

Review Session: bring questions.

Quiz

Mon., Dec. 6:

Quiz

Exercises:

854: 28, 30

907: 47

914: 32, 35

922: 23, 28, 30

927: 23, 31

Fri., Dec. 3:

Quiz

Exercises:

886: 45, 46, 55

896: 42, 44

906: 36, 42

914: 23, 29, 31

922: 18, 20, 21, 24, 25

Wed., Dec. 1:

Quiz

Exercises:

886: 44

896: 32

906: 22, 24, 34, 37, 39

914: 17, 19, 21, 25, 27

922: 4, 11, 13, 15, 17

Mon., Nov. 29:

Read § 13.7

Exercises:

¹URI: <http://www.tug.org/>

886: 37, 40, 43
896: 19, 26, 29, 31, 35, 37
906: 19, 30, 33, 35
914: 9, 11, 13, 15
922: 1, 3, 5, 7, 9

Wed, Thu, Fri., Nov. 24, 25, 26:
University Recess

Mon., Nov. 22:

Read § 13.6

Exercises:

876: 35, 37, 39, 43
885: 25, 28, 33
897: 17, 25, 27, 28
906: 7, 11, 15, 21, 29, 31
914: 1, 3, 5, 7

Fri., Nov. 19:

Quiz

Read § 13.5

Exercises:

875: 19, 27, 29, 31, 33
885: 12, 19, 23, 29, 31
896: 11, 13, 15, 21, 23
906: 1, 5, 9, 23, 25, 27

Wed., Nov. 17:

Read § 13.4

Exercises:

852: 22, 23, 25
875: 10, 14, 17, 23, 25
884: 7, 9, 13, 17, 21, 27
896: 1, 3, 5, 7, 9

Mon., Nov. 15:

Read § 13.3

Exercises:

841: 51
850: 45, 47
866: 37, 41, 47, 50, 56, 57
875: 11 – 13, 15, 21
884: 4, 5, 11, 15

Fri., Nov. 12:

Quiz

Read § 13.2

Exercises:

841: 42, 43, 45, 47
850: 13, 17, 37, 39, 41
866: 5, 9, 19, 25, 28, 29, 34
875: 3 – 5, 7 – 9

Wed., Nov. 10:

Read § 13.1

Exercises:

820: 43
830: 32, 35, 41
841: 32, 33, 36, 41

850: 15, 27, 33, 43
866: 3, 7, 11, 17, 21, 23

Mon., Nov. 8:

Read § 12.8

Exercises:

820: 31, 33
830: 23, 27, 33
841: 23, 27, 29, 31, 37, 39
850: 1 – 3, 5, 7, 11, 19, 23, 25

Fri., Nov. 5:

Quiz

Read § 12.7

Exercises:

820: 21, 27, 30
830: 9, 11, 19, 21
840: 3, 5, 7, 9, 11, 13, 15, 19

Wed., Nov. 3:

Read § 12.6

Exercises:

811: 45 – 47
820: 6, 11, 13, 17, 19, 23
830: 5, 6, 13, 15, 17

Mon., Nov. 1:

Read § 12.5

Exercises:

769: 43
793: 53, 58, 60
803: 50, 51, 55
811: 37, 39, 41, 42, 43, 44
820: 3, 5, 7, 9, 15

Fri., Oct. 29:

Read § 12.4

Exercises:

768: 41
793: 34, 35, 43, 44, 51
801: 31, 32, 35, 37, 49
810: 1, 3, 5, 9, 11, 24

Thu., Oct. 28:

Solutions²

Wed., Oct. 27:

Midterm Test

Mon., Oct. 25:

Review Session: Bring Questions

Fri., Oct. 22:

Quiz

Exercises:

768: 34, 39
785: 37, 38
793: 25, 28, 33, 41

²URI: mtso041027.xmh

801: 6, 7, 13, 17, 27

Wed., Oct. 20:

Read § 12.3

Exercises:

768: 22, 24

785: 20, 25, 27

793: 8, 14, 22, 27

801: 1, 3, 5, 11

Mon., Oct. 18:

Read § 12.2

Exercises:

748: 58

759: 37 – 39, 41

767: 4, 10, 13, 19

785: 14, 15, 17, 18, 21, 23

793: 3, 5, 7, 9, 11, 21, 23

Fri., Oct. 15:

Read § 12.1

Supplementary Reading: Handout on Extreme Values (also available as PDF or DVI)

Exercises:

736: 50, 59

747: 44, 48, 55

758: 23, 26, 29, 36

767: 2, 6, 9, 12

785: 1, 3, 5, 7, 9, 11, 13

Reminder: Midterm Test in two weeks

On Wednesday, October 27

Wed., Oct. 13:

Read § 11.8

Exercises:

735: 36, 38, 43, 46

747: 31, 40, 43, 47, 50

758: 9, 15, 17, 20, 21, 27, 35

767: 1, 3, 5, 7, 11

Mon., Oct. 11:

Quiz

Read § 11.7

Exercises:

727: 47 – 49

735: 6, 10, 14, 18, 24, 30, 44, 45

747: 9, 15, 21, 23, 27, 35, 37, 41

758: 5, 7, 24, 25

Fri., Oct. 8:

Read § 11.6

Exercises:

717: 51 – 53, 56

727: 24, 30, 32, 46

735: 7, 11, 15, 17, 23, 29

747: 1, 3, 5, 7, 11, 13, 17, 19, 25

Wed., Oct. 6:

Read § 11.5

Exercises:

708: 25, 28, 38, 47, 48
717: 35 – 37, 39, 41, 50
727: 18, 19, 23, 29, 31
735: 5, 9, 13

Mon., Oct. 4:

Quiz

Otherwise catch-up with past assignments if you are behind.

Fri., Oct. 1:

Read § 11.4

Exercises:

672: 53
678: 20, 28, 34, 35
708: 12 – 18, 24, 35 – 37, 45
717: 4, 6, 8, 10, 12, 14, 18, 20, 23, 25, 29, 33
727: 1 – 3, 5, 7, 15

Wed., Sep. 29:

Read §§ 11.2, 11.3

Exercises:

672: 43, 46 – 48, 52
678: 18, 19, 29, 31
699: 5, 6, 9, 15, 20, 23, 26, 27
708: 5 – 11, 23
717: 3, 5, 7, 9, 11, 17, 19

Mon., Sep. 27:

Read § 11.1

Exercises:

622: 56, 59
650: 37, 43, 51, 54, 57
671: 17, 19, 23, 27, 30, 31, 39, 41
678: 4, 7, 9, 11, 13, 17
699: 1, 2

Fri., Sep. 24:

Quiz

Read: § 10.5

Exercises:

622: 54, 55
640: 53 – 57, 59, 60
650: 31, 35, 49, 50
671: 1, 3, 6, 7, 10, 13, 21, 25, 26, 29
678: 1, 5

Wed., Sep. 22:

Read: § 10.4

Exercises:

622: 45 – 47, 50 – 52
640: 38 – 40, 42, 43, 45 – 47
650: 4, 7, 10, 11, 14, 15, 17, 19
671: 9, 11

Mon., Sep. 20:

Quiz

Read: §§ 10.1 – 10.2

Exercises:

596: 52

605: 52, 53
621: 34, 36, 37, 39, 43
626: 13, 34
640: 9, 11, 23, 35, 37
650: 3, 5, 9, 13

Thu–Fri., Sep. 16–17:

Recess: no class

Wed., Sep. 15:

Read: § 9.7

Exercises:

604: 47, 50
614: 22, 34, 44, 48 – 52
621: 19, 22, 26, 29, 33
626: 3, 7, 9

Mon., Sep. 13:

Read: § 9.6

Exercises:

595: 50, 51
604: 8, 10, 22, 26, 28, 32, 38, 41, 45
614: 31, 33, 37, 40 – 42, 46
621: 5, 8, 9, 11, 14, 17

Fri., Sep. 10:

Expect a short **quiz**.

Read: § 9.5

Exercises:

595: 25, 27, 29, 31, 36, 49
604: 18, 21, 25, 27, 31, 37
614: 1 – 4, 7, 9, 11, 17, 21, 27, 29

Wed., Sep. 8:

Read: § 9.4

Exercises:

582: 56
588: 42, 43, 46, 47, 51
595: 16, 17, 19, 22, 23, 48
604: 2, 3, 5, 11, 15, 23

Mon., Sep. 6:

Labor Day Recess: no class

Fri., Sep. 3:

Read: § 9.3

Exercises:

580: 30, 34, 39, 42, 53
587: 2, 11, 14, 17, 21, 26, 29
595: 3, 9, 10, 11, 14, 15

Wed., Sep. 1:

Read: §§ 9.1–9.2

Exercises:

580: 2, 5, 9, 15, 17, 21, 25, 37

Mon., Aug. 30:

First Meeting

