

Linear Algebra (Math 220)

Assignments

Spring 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 weekly quizzes. You may find it helpful to discuss these exercises with others, but if you watch someone else do an exercise, you will likely lose its benefit unless you subsequently work through the exercise privately. It is generally not helpful to seek explanation of an exercise that you have not attempted. When you have trouble with an exercise, it is important to try to state in words exactly where in that exercise and in what way you find yourself blocked.

Fri., May. 14:

Final Examination: 1:00 – 3:00 p.m.

Thu., May. 13:

Office Hours: 2:30 – 3:30 p.m.

Wed., May. 12:

Office Hours: 2:15 – 3:15 p.m.

Tue., May. 11:

Office Hours: 2:30 – 3:30 p.m.

Wed., May. 5:

Last class meeting before the final

Expect a quiz

Bring review questions.

Mon., May. 3:

Expect the quiz that did not happen Friday.

Bring review questions

Fri., Apr. 30:

Expect a quiz.

Exercises:

368: 10, 13, 14, 16, 20, 33

Begin reviewing the course.

Wed., Apr. 28:

Expect the quiz that did not happen Monday.

Exercises:

417: 8, 16, 17

430: 8, 10(b, d, g, i), 11, 15

437: 9, 13

368: 6 – 9

Mon., Apr. 26:

Expect a quiz

Read § 6.4

Exercises:

406: 10, 16, 17, 22

430: 10(f, h, j), 12

¹URI: <http://www.tug.org/>

437: 11, 17

368: 2 – 5

Fri., Apr. 23:

Read the handout on *Coordinates, Bases, and Matrices*² (also available as PDF³ or DVI⁴)

Exercises:

406: 4, 9, 13

417: 12, 15

429: 7, 9, 10(a, c, e)

437: 3, 4, 7

Wed., Apr. 21:

Expect a quiz

Read: § 8.3

Exercises:

359: 40

406: 20, 21, 23

417: 11, 13, 14

429: 5, 6

437: 1

Mon., Apr. 19:

Read: § 8.2

Exercises:

359: 38, 39

406: 11, 12, 18, 19

417: 4, 6, 7, 9, 10

429: 3

Fri., Apr. 16:

Expect a quiz

Read: § 8.1

Exercises:

359: 29, 30 – 35

395: 16, 18 – 20

406: 6 – 8, 14, 15

417: 1, 3

Wed., Apr. 14:

Exercises:

349: 33, 34

359: 23, 24, 26, 28

395: 15, 21, 23

406: 3, 5

Mon., Apr. 5 – Mon., Apr. 12 (morning): Spring Recess

Fri., Apr. 2:

Read: § 7.2

Exercises:

348: 26, 28, 29

358: 16, 17, 19, 20, 22

²URI: mab.html

³URI: mab.pdf

⁴URI: mab.dvi

395: 10, 11, 14

406: 2

Wed., Mar. 31:

Read: § 7.1

Exercises:

336: 30, 32, 34

348: 20, 21, 23 – 25

358: 7, 12, 15

394: 3, 6, 8, 9

Mon., Mar. 29:

Expect a quiz.

Read: § 6.3

Exercises:

315: 19, 21, 22, 25, 26

336: 26 – 29

348: 8, 9, 11, 12, 18, 19

358: 1 – 5, 9, 11

Fri., Mar. 26:

Read: § 6.2

Exercises:

271: 36 – 38

301: 34, 35, 38 – 40

315: 16 – 18

336: 11, 12, 16, 17, 23, 25

347: 2, 3, 5, 7

Wed., Mar. 24:

Read: § 6.1

Exercises:

271: 30, 35

300: 19, 23, 24, 26

315: 8, 11, 13, 15

336: 2 – 4, 7 – 9, 15

Mon., Mar. 22:

Midterm Test (during the regular class period)

Fri., Mar. 19:

Review Day: Bring Questions

Wed., Mar. 17:

Read: § 5.2

Exercises:

261: 31, 32

271: 21, 25, 29, 31

300: 14 – 16, 30, 31

315: 1, 4, 5, 9

Mon., Mar. 15:

Read: § 5.1

Exercises:

226: 32 – 34

248: 38, 46, 49

261: 18 – 20, 22, 26, 30

271: 8, 9, 15, 16, 20, 28

300: 1 – 5

Fri., Mar. 12:

Read: § 4.3

Exercises:

226: 24, 26, 31

236: 26

248: 35, 37, 41, 45

261: 5, 8, 11, 12, 15 – 17

271: 5, 7

Wed., Mar. 10:

Expect a quiz

Read: § 4.2

Exercises:

226: 21 – 23

236: 15, 17, 21, 23

248: 15 – 17, 21, 25, 33

261: 3, 4, 7

Mon., Mar. 8:

Read: § 4.1

Exercises:

211: 22

226: 19, 20

236: 14, 18, 19, 20

248: 1, 3, 6 – 9, 13, 14

Fri., Mar. 5:

Expect a quiz

Read: § 3.5

Exercises:

202: 25, 27, 28, 34, 35

211: 8, 9, 12, 21

226: 10 – 12, 17

236: 1 – 8, 11, 12

Wed., Mar. 3:

Read: § 3.4

Exercises:

176: 26, 27

190: 25

202: 19 – 22

211: 6, 7, 11, 19

226: 1 – 5, 16

Mon., Mar. 1:

Read: § 3.3

Exercises:

152: 33

176: 20 – 25

190: 23, 24

201: 8, 9, 11 – 14

211: 1 – 5, 10

Fri., Feb. 27:

Read: § 3.2

Exercises:

152: 26, 29, 31

165: 21 – 23

176: 14 – 19

189: 3, 16 – 18

201: 1 – 6

Wed., Feb. 25:

Expect a quiz.

Read: § 3.1

Exercises:

152: 19, 20, 25

165: 17 – 20

176: 6, 10 – 13

189: 1, 2, 9 – 15

Mon., Feb. 23:

Read: § 2.5

Exercises:

152: 21 – 24

165: 5, 8, 11 – 14

176: 1 – 4, 7, 8

Fri., Feb. 20:

Read: § 2.4

Exercises:

135: 37, 38

140: 6, 9, 14, 17, 22

152: 9, 10, 14 – 16

165: 1 – 4

Wed., Feb. 18:

Expect a quiz.

Read: § 2.3

Exercises:

140: 7, 10, 11, 13, 18 – 20

152: 1 – 8, 13

Mon., Feb. 16:

University Recess: No class

Fri., Feb. 13:

Read: § 2.2

Exercises:

100: 45, 46

135: 24, 25, 27, 28, 32

140: 1 – 4, 12

Wed., Feb. 11:

Exercises:

100: 32, 36, 38, 42, 44

135: 11, 13, 14, 16, 22

Mon., Feb. 9:

Expect a quiz.

Read: § 2.1

Exercises:

86: 33, 34, 38

100: 26, 27, 29, 31, 34, 35

134: 1 – 5, 7, 9, 10, 12

Fri., Feb. 6:

Exercises:

68: 35 – 39, 44, 45, 47, 48

84: 15, 16, 20, 23, 25 – 27, 29, 30

99: 12, 13, 16, 17, 19, 23 – 25

Wed., Feb. 4:

Read: § 1.6

Exercises:

48: 45, 46

68: 26, 27, 29, 30 – 34, 43, 56

84: 9, 10, 11, 13

99: 1 – 10

Mon., Feb. 2:

Read: § 1.5

Exercises:

46: 24, 36, 39, 41

68: 11, 12, 23, 25, 42

84: 6, 7

Fri., Jan. 30:

Expect a quiz.

Exercises:

16: 23, 27, 32, 35, 38, 39

31: 5, 8, 14, 16, 19, 22, 23

46: 8, 9, 12, 17 – 19, 23

Wed., Jan. 28:

No meeting since classes meeting prior to 11:15 were suspended by the University due to the overnight snow storm.

Mon., Jan. 26:

Read: § 1.3

Exercises:

46: 1, 3, 7, 11, 14, 15

68: 3, 4, 5, 7

Fri., Jan. 23:

Read: §§ 1.1 – 1.2, 1.4

Exercises:

15: 6, 10, 21, 25

31: 4, 11, 12

68: 2