

MAT 114 Assignment List (Spring 2009)

Notice: “Concepts and Vocabulary” questions cannot be used for board problems.

- 1.1 1, 2, 5, 11–45 odd
 - 1.2 2, 3, 4, 5, 19, 21a, 23b, 25b
 - 2.1 2, 4, 5, 6, 9, 13, 15, 21, 23c
 - 2.2 3, 5–8, 9, 11, 15, 19, 23, 27, 29ac, 31, 33abcde, 35, 37
 - 2.4 3, 5, 6, 12; read handout
 - 3.1 2, 3, 4, 8, 9, 11–29 odd, 37, 48; read 41, 46
 - 3.2 1, 5, 8, 9, 11–17 odd, 21, 22, 23, 25, 39, 41; read 47, 49, 51
 - 3.3 3, 5, 7, 19
 - 3.4 5, 6, 7, 9, 11, 15, 16, 17, 19, 21ac
 - 3.5 3a, 4a, 5–15 odd; optional 17
MyMathLab assignment #1 (sections 3.4 and 3.5)
- Test 1 (target date February 25)
- 4.1 1, 3, 9, 11–14, 16, 17, 23, 25, 29, 31, 39, 42, 43, 47; read 33, 35
 - 4.2 2, 3, 4, 6, 17, 19, 23, 25
MyMathLab assignment #2 (sections 4.1 and 4.2)
 - 5.1 2, 5–8, 9, 11, 13, 19, 23, 25, 29–39 odd, 47, 53
MyMathLab assignment #3
 - 5.2 1, 4, 13, 15, 17, 21, 23, 27, 29, 37, 39
MyMathLab assignment #4
 - 5.3 1, 4, 5, 6, 7–13 odd, 15, 17ab, 19ab, 21, 23, 25, 27
 - 5.4 1, 2, 3, 5, 9, 11, 13, 17, 19, 22, 23, 25ab, 26ab, 27, 28, 33, 34; read 35
MyMathLab assignment #5 (sections 5.3 and 5.4)
 - 5.5 (may be skipped) 1, 2, 3, 5–35 odd, 41, 45–53 odd; read 67, 69
 - 6.1 1, 2, 3–23 odd, 27, 29, 30, 33, 36; read handout
MyMathLab assignment #6
 - 6.2 1, 7–29 odd, 35, 37, 39, 43, 45, 49; read 55, 56
- Test 2 (target date March 20 or 30)
- Random selection worksheet (due one week after the test)
- 7.1 2, 6, 7, 11, 19, 21, 23, 25, 31
 - 7.2 2, 5, 7, 9, 13–21 odd, 29, 33–41 odd
MyMathLab assignment #7
 - 7.3 3 (answer .9838), 5 (answer .2389), 7, 9 (answer .2368), 11 (answer .7175), 13–23 odd, 25abc, 27, 29a, 31a
MyMathLab assignment #8
 - 7.4 3–8, 9, 11, 13
 - 8.1 1, 2, 3, 8, 10, 11–25 odd, 29
MyMathLab assignment #9

- 8.2 1, 3, 4, 5, 7–19 odd; read 25 (answer to 15a: $\mu_{\hat{p}} = 0.3$, $\sigma_{\hat{p}} = .046$)
- Test 3 (target date April 17)
- 9.1 2, 3, 4, 7, 9, 11, 17abc, 21, 23, 25, 27, 29ab, 37, 39, 41
- 9.2 1, 7d, 8d, 11abc, 13–25 odd
MyMathLab assignment #10 (sections 9.1 and 9.2)
- 9.3 1, 2, 5–21 odd, 25
MyMathLab assignment #11
- 9.4 (may be skipped) 2, 4–9, 11, 13, 15
- Read sections 1.3, 1.4 (no homework or test questions on this material)
- 10.1 1, 2, 4, 7, 9–37 odd; read 5, 6
MyMathLab assignment #12
- 10.2 1, 6, 15–31 odd
MyMathLab assignment #13
- 10.3 1, 9, 11, 13, 15 (p-value .0925), 19a, 23, 25, 29
- 9.5 (for test review purposes only, no lecture) 3–19 odd
- Test 4 (target date May 8)
- 10.4 1, 3b, 5b, 7b, 9, 11, 15, 17, 19
- 10.5 (may be skipped) 1, 9 ($H_1 : \sigma < 0.04$, test statistic $\chi^2 = 13.590$, p-value .0446, reject H_0), 11 ($\chi^2 = 9.375$, p-value .0033), 13 ($\chi^2 = 13.128$, p-value .4322), 17 ($\chi^2 = 15.639$, p-value .0993), 19 ($\chi^2 = 9.5779$, p-value .0374)
- 10.6 (for test review purposes only, no lecture) 1–11 odd, 15, 19, 22
- CUMULATIVE FINAL EXAM over all sections covered, 8:00 Wednesday, May 20.

Studying Mathematics

Studying mathematics is different from studying many of the other subjects. Some memorization is necessary, but concepts and skills are more important. Therefore, the study strategy employed by many students of doing little if anything until the night before a test and then cramming until the wee hours of the morning does not work very well for mathematics.

Mathematics is best learned slowly but consistently over time, not crammed into one night. Concepts and skills build upon one another. It is important to be prepared for each lecture; otherwise, you may not get anything out of that class period!

Recommendations include (1) read each section of the textbook before the lecture; (2) complete the assigned homework after the lecture over that material but before the next class period; and (3) get plenty of rest before a test so that your mind can think clearly.

Finally, don't forget that problem recognition skills are important. Look at the form of a problem, and its setting; learn how to recognize it.