

MAT 110.202 Calculus III
Homework Assignments

Assignment for lectures on Jan 30 - Feb 1: Sec 1.1 #5,7,16,22; Sec 1.2 #11,13,14,21,26; Sec 1.3 #6,7,16(c),18,33; Sec 2.1 #1(b), 4, 10, 12

Assignment for lectures on Feb 6 - Feb 8: Sec 2.2 # 4 (follow example 1, page 109), 5(a) (follow example 6, page 116), 10(c) does not exist (look at example 15, page 123 and try path a path along the x -axis and also a path along line $y = x$); 2.3 #1(b), 3(c), 5, 8(c)(d), 13(b), 16; 2.5 #4, 5(c) (see example 2, page 156 to see what *verify the chain rule* means), 10, 11,13, 16

Assignment for lectures on Feb 13 - Feb 15: (Projected sections to be covered 2.4, 2.6, 3.1, 3.2, 3.3) 2.4 # 2, 8, 11, 16; 2.6 #3(a), 4(b), 5(a), 6(b), 9, 14(a), 16; 3.1 #1, 9, 10(a), 13; 3.2 #4, 6

Assignment for the week of Feb 20 - Feb 22: (Projected sections to be covered: 3.3, 3.4, 3.5) 3.3 # 6, 12, 22, 24, 30, 33; 3.4 #4, 10 (use section 3.3 to find extrema in the interior and Lagrange multipliers to find extrema on the boundary), 15 (use a procedure similar to problem 10), 18, 28; 3.5 # 2, 5, 6, 8

Assignment for the week of Feb 27 - Mar 1: (Projected sections to be covered 4.1, 4.2, 4.3, 4.4) 4.1 # 7, 15, 17, 19; 4.2 # 2, 5, 10, 14; 4.3 # 1, 6, 10, 14, 20

Assignment for the week of Mar 6 - Mar 8: (Projected sections to be covered 4.4, 5.1, 5.2) 4.4 #3, 8, 14, 25; 5.1 #1(a), 2(a), 5, 10; 5.2 1(b), 2(c), 4

Assignment for the week of Mar 13 - Mar 15: (Exam 1 on Tuesday, March 14. Projected sections to be covered 5.3, 5.4, 5.5) 5.3 #1(b), 2(d), 7, 11; 5.4 #2(b), 2(c), 3, 10, 13

Assignment for lectures on Mar 27 - Mar 29: (Projected sections to be covered 5.5, 6.1, 6.2) 5.5 # 2, 5, 8, 10, 26; 6.1 #4, 6, 7; 6.2 #1, 5, 9

Assignment for lectures on Apr 3 - Apr 5: (Projected sections to be covered 6.2, 6.3, 6.4) 6.2 #14, 19, 21, 23, 26; 6.3 #10, 12; ; 6.4 #1, 5, 8, 17

Assignment for lectures on Apr 10 - Apr 12: (Projected sections to be covered 7.1, 7.2, 7.3, 7.4) 7.1 # 2(a), 4(b), 10, 13; 7.2 # 1(d), 2(c), 3, 6; 7.3 # 2, 4 (do only portion pertaining to #2), 6, 7, 8, 11, 14

Assignment for the week of Apr 17 - Apr 19: (Projected sections to be covered 7.4, 7.5, 7.6) 7.4 #3, 6, 8, 13, 14; 7.5 #2, 4, 6, 10, 13; 7.6 #4, 5, 8,9, 16

Assignment for the week of Apr 24 - Apr 26: (Projected sections to be covered 8.1, 8.2, 8.3) 8.1 # 3(c)(d), 4, 7, 13; 8.2 # 1, 3, 8, 9, 10, 14, 16, 23

Assignment for the week of Mar 1 - May 3: (Exam 2 on Wednesday, May 3. Projected sections to be covered 8.3, 8.4) 8.3 #3, 4, 7, 12, 18, 23; 8.4 # 2, 5, 7, 10, 16

Final Exam on Thursday, May 11 at 9am.