MAT 110.438 Introduction to Differential Geometry
Homework Assignments

♣ Due 9/21: Sec1-2 #2,5; Sec1-3 #4,6 Sec1-4 #12,13, Sec1-5 #1,4
♢ Due 9/28: Sec1-5 #9,14; Sec2-2 #1,7,11,13,17
♠ Due 10/05: Sec2-3 #1,2,3,15; Sec 2-4 #1,2,3,7
♡ Due 10/12: Sec 2-4 #10,18,21,24; Sec 2-5 #1,2,5,12
♣ Due 10/19: Sec 2-5 #10,11; Sec 3-2 #8;
Additional problems due 10/19: Work out the details for Example 5 on page 140. Do the same for the torus of Example 4 or Example 6 in Section 2-2 at points $p = (a - r, 0, 0)$ and $p = (a + r, 0, 0)$.
♢ Due 10/26: Sec 3-2 #2,3,4,5,6,9
♠ Due 11/2: Sec 3-2 #15,17; Sec 3-3 #1,5
♡ Due 11/9: Sec 3-3 #13,14,20,22
♣ Due 11/16: Sec 4-2 #2,3,9,10,15,18,19; Sec 4-3 #4
♢ Due 11/23: Sec 4-3 #4,7,8; Sec 4-4 #1,2,5,6,8,9,10
♠ Due 11/30: Sec 4-4 #11,16,19; Sec 4-5 #1,2
♡ Due 12/7: Sec 4-5 #3,5; Sec 5-10 #1,2,5,6