

Assignment/Tutorial 4
ME-30602, 2016-17 Spring Semester

March 3, 2017

1. Problems 4.106, 4.107, 4.108, 4.109
From Chapter 4 of Shigley's Mechanical Engineering Design book. (On column buckling)
2. Problems 6.2, 6.4, 6.5, 6.5, 6.7, 6.11, 6.12, 6.14, 6.16, 6.17, 6.20 (only Modified Goodman criterion), 6.27, 6.30, 6.31, 6.35, 6.56 (only modified Goodman criterion), 6.60, 6.61, 6.62 (use modified Goodman criterion and Miner's rule).
From Chapter 6 of Shigley's Mechanical Engineering Design book. (On Fatigue Failure).

Note: The problems are picked from 10th edition of the book. In case you have a different edition the problem numbers may change. You should check this. We will discuss some of the problems from Chapter 6 in class.