

**Assignment/Tutorial 6**  
**ME-30602, 2017-18 Spring Semester**

February 14, 2018

1. 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 10<sup>th</sup> edition of the book. In case you have a different edition the problem numbers may change. You should check this.