**ChE 320 Homework 1:**

**Due Friday, Januarry 20, 2017 by 11:30 am at EE129**

**Instructions:** Please complete the following problems on separate, numbered pages. Use the homework cover page available in Blackboard. Start each problem on a new page and *write only on one side of a piece of paper.* ***Only one side of a piece of paper will be graded.*** Circle or box your answer. Do not forget to show all work and state all assumptions that you make.

*THESE PROBLEMS ARE REQUIRED AND TO BE SUBMITTED FOR GRADING IN HARDCOPY FORM.*

**Problem 1:** Montgomery, Runger and Hubele, Problem 1-6 (p. 21 of the 5th Edition of the text).

**Problem 2:** Montgomery, Runger and Hubele, Problem 1-8 (p. 21 of the 5th Edition of the text).

**Problem 3:** Montgomery, Runger and Hubele, Problem 1-12 (p. 21 of the 5th Edition of the text).

**Problem 4:** Montgomery, Runger and Hubele, Problem 2-6 (p. 28 of the 5th Edition of the text).

**Problem 5:** Montgomery, Runger and Hubele, Problem 2-8 (p. 29 of the 5th Edition of the text).

**Problem 6:** Montgomery, Runger and Hubele, Problem 2-16 (p. 33 of the 5th Edition of the text).

**Problem 7:** Montgomery, Runger and Hubele, Problem 2-32 (p. 39 of the 5th Edition of the text).

**Problem 8:** Montgomery, Runger and Hubele, Problem 2-38 (p. 41 of the 5th Edition of the text).

**Problem 9:** Montgomery, Runger and Hubele, Problem 2-52 (p. 52 of the 5th Edition of the text).

**Problem 10:** Montgomery, Runger and Hubele, Problem 3-1 to 3-9 (p. 61 of the 5th Edition of the text).

*THESE PROBLEMS ARE RECOMMENDED FOR PRACTICE AND* ***SHOULD NOT BE SUBMITTED***

**2-17**

**2-55**