**ChE 320 Homework 8:**

**Due Wednesday, Mar 08, 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.

**(Software may be used ONLY for constructing probability plots)**

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

**Problem 1:** Montgomery, Runger and Hubele, Problem 5-8 (p. 238 of the 5th Edition of the text).

**Problem 2:** Montgomery, Runger and Hubele, Problem 5-26 (p. 251 of the 5th Edition of the text).

**Problem 3:** Montgomery, Runger and Hubele, Problem 5-32 (p. 252 of the 5th Edition of the text).

**Problem 4:** Montgomery, Runger and Hubele, Problem 5-40 (p. 257 of the 5th Edition of the text).

**Problem 5:** Montgomery, Runger and Hubele, Problem 5-44 (p. 258 of the 5th Edition of the text).

**Problem 6:** Montgomery, Runger and Hubele, Problem 5-50 (p. 264 of the 5th Edition of the text).

**Problem 7:** Montgomery, Runger and Hubele, Problem 5-54 (p. 264 of the 5th Edition of the text).

**Problem 8:** Montgomery, Runger and Hubele, Problem 5-90 (p. 291 of the 5th Edition of the text).

**Problem 9:** Montgomery, Runger and Hubele, Problem 5-92 (p. 292 of the 5th Edition of the text).

**Problem 10:** Montgomery, Runger and Hubele, Problem 5-102 (p. 293 of the 5th Edition of the text).

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

Problem **5-4** from Chapter 5 of the text.

Problem **5-16** from Chapter 5 of the text.

Problem **5-60** from Chapter 5 of the text.