Statistics for Engineers and Scientists, STAT315
Spring 2018

I. General Information
   a. Time & Location: MWF 9:00am - 9:50am, Shepardson 212.
   b. Instructor: Meng Cao, 304 Statistics Building, meng.cao@colostate.edu
   c. Office Hours: Th 1:00pm – 3:00pm
   d. Catalog description: Calculus-based probability and statistics: distribution theory, estimation, hypothesis testing, application to engineering and the sciences. Prerequisites: MATH161 or MATH255.
   e. Text: "Probability and Statistics for Engineering and the Sciences, 8e", by Jay Devore. ** **Note the 8th Edition — NOT the 9th —**
   f. Handouts: Posted on CANVAS
   g. Software: R statistical package (www.r-project.org). R is a free download available for Windows, Mac, Unix, and Linux platforms.
      • also recommended: rstudio.com

II. Evaluation
   Homework 50%, Midterms 30%, Final 20%.
   All exam material is cumulative.

III. Grades
   A (90%), B+ (88%), B (80%), C+ (78%), C (70%), D (60%).
   No minus grades.

IV. Expectations
   a. You are responsible for all announcements made in class.
   b. Grading issues must be resolved within one week of the grade posting.
   c. Homework must be turned in on time (**No late homework will be accepted**).
   d. This course will adhere to the CSU Academic Integrity Policy.

V. Exam policies   *There are no exceptions to these policies.
   a. Midterms and final exam must be taken on the scheduled date at the scheduled time.
   b. Once an exam is taken, that grade will not be replaced.
   c. If you miss one midterm exam for an excused reason (instructor's discretion), your final exam score will count twice.
   d. Any other and/or additional missed exams are recorded as zeros (non-replaceable).
   e. At minimum, an excusable absence requires an email to the instructor.
   f. If you miss an exam due to a university-sanctioned event, CSU's policy as outlined in the class attendance regulations section of the catalog is followed.

Students with disabilities: The university is committed to providing support for students with disabilities. If you have an accommodation plan please see me as soon as possible, so we can make any arrangements necessary for your learning. No accommodations can be provided until a Reasonable Accommodation Plan is in place. Plans are not retroactive and cannot be used for assignments prior to the date of my signature. To the greatest extent possible, University Representatives will treat request for accommodation with confidentiality.

Tentative schedule. Read these sections before class.

Week	Monday	Tuesday	Wednesday	Thursday	Friday
1	No class (Jan 15)		L1: 1.1		L2: 1.2 - 1.4
2	L3: 1.4 (HW1 DUE)		L4: 2.1, 2.2		L5: 2.4
3	L6: 2.5,3.1 (HW2 DUE)		L7: 3.2, 3.3		L8: 3.4
4	L9: 3.6 (HW3 DUE)		L10: Review		**Exam 1 (Feb 9th)**
5	L11: 4.1		L12: 4.2		L13: 4.3, 4.6, 4.4
6	L14: 4.4, 5.1 (HW4 DUE)		L15: 5.2, 5.3		L16: 5.3, 5.5
7	L17: 5.4 (HW5 DUE)		L18: 6.1, 7.1		L19: 7.3
8	L20: 7.2 (HW6 DUE)		L21: Review		**Exam 2 (Mar 9th)**
9	No Class (Mar 12)	No Class (Mar 13)	No Class (Mar 14)	No Class (Mar 15)	No Class (Mar 16)
10	L22: 8.1		L23: 8.4, 8.2		L24: 8.3
11	L25: 9.1, 9.2 (HW7 DUE)		L26: 9.3, 9.4		L27: 10.1
12	L28: 10.2, 10.3 (HW8 DUE)		L29: 14.3		L30: 12.1
13	L31: 12.2 (HW9 DUE)		L32: Review		**Exam 3 (Apr 13)**
14	L33: 12.3		L34: 12.4, 12.5		L35: 13.1, 13.3
15	L36: 13.4 (HW10 DUE)		L37: 13.4, 13.2		L38: 15.1
16	L38: 15.1 (HW11 DUE)		L39: 15.2		L40: Review

Finals				11:50a – 1:50a (May 10)	