

Math 411C Mathematical Statistics II
Spring 2018 (March 27 – June 1)
MWF 10 - 10:50am in HERTZ 105

Instructor: Dr. Sooie-Hoe Loke
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Office Hours: MTWF 11 - 11:50 AM and by appointment.

Course Goals: At the end of this course, students should understand some further topics in mathematical statistics. Specifically, we will cover:

- Interval estimation (confidence intervals).
- Hypothesis tests, both the general theory and common specific situations.
- More statistical tests (chi-square and one-factor analysis of variance).

Prerequisite: Math 411B or permission.

Text: Hogg, Tanis, and Zimmerman, *Probability and Statistical Inference*, 9th Edition. This quarter we are planning to cover Chapters 7 and 8, and if time permits, parts of Chapter 9.

Evaluation:

- Two in-class exams (35% total); tentative dates: Monday, April 23 and Monday, May 21.
- Comprehensive final exam (25%); given Wednesday, June 6, from 8 - 10AM.
- Homework (40%).

Course grades will be assigned based upon the following scale:

93-100%=A	90-92.9%=A-	87-89.9%=B+	83-86.9%=B	80-82.9%=B-	77-79.9%=C+
73-76.9%=C	70-72.9%=C-	67-69.9%=D+	63-66.9%=D	60-62.9%=D-	below 60%=F

Course Conduct:

- **Required Materials:** The textbook is required. You will also want at least a scientific calculator.
- **Homework:** Weekly homework will be assigned in class. Due dates will be announced at the time of the assignment. Homework must be done neatly, stapled, and written on clean-edged paper. Your work should be clear, in a logical order, and provide sufficient explanation. Credit will not be given for late homework.
- **Exams:** Any changes to the tentative exam schedule will be announced in advance. Make-up arrangements must be made at least one day prior to an exam unless you can document an unexpected circumstance beyond your control that prevented you from taking the exam.
- **Other Information:** Central Washington University is committed to creating a learning environment that meets the needs of its diverse student body. If you anticipate or experience any barriers to learning, discuss your concerns with the instructor. Students with disabilities should contact Disability Services to discuss a range of options to removing barriers, including accommodations. Student Disability Services is located in Hogue 126. Call (509) 963-2214 or email ds@cwu.edu for more information.