

Math 411C Mathematical Statistics II Spring 2014
10 – 10:50 MWF Bouillon 101

Instructor: Cen-Tsong Lin

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Office Hours: 11:00 to 11:50 Monday – Friday

Web Page: www.cwu.edu/~ctl

Course goals: The goal of this course is to derive probability distributions; point and interval estimations; hypothesis testing; Bayesian inference and some theory on statistical inference. At the conclusion of this course, students will understand the following topics:

- (i) Point and interval estimation (chapter 6)
- (ii) Tests of statistical hypotheses (chapter 7)
- (iii) Bayesian methods (chapter 9)
- (iv) Some important theory on mathematical statistics (chapter 10)

Prerequisite: Math 411B with grade C or better; or by permission

Required Text: Hogg and Tanis, Probability and Statistical Inference, 8th edition, Prentice Hall

Evaluation:

- Homework assignments and quizzes (15%)
- 3 in-class tests (60%), tentative dates: 4/18, 5/9 and 5/30
- Final exam (25%): Comprehensive, 8:00 – 10:00, Tuesday, 6/10/2014

Course Conduct:

- Homework assignment will be assigned daily and the due date is one week from the day it is assigned. No late homework will be accepted.
- The assignments and class handouts will be also posted at the class website: www.cwu.edu/~ctl for your convenience.
- No make-up test will be given unless you can document a circumstance that is beyond your control and unexpectedly prevented you from taking the test.

Grading:

Your grade will be assigned based on the following scale:

	93% → 100%	A		90% → 92%	A-
87% → 89%	B+	83% → 86%	B	80% → 82%	B-
77% → 79%	C+	73% → 76%	C	70% → 72%	C-
67% → 69%	D+	63% → 66%	D	60% → 62%	D-
below 60%	F				

I reserve the right to adjust the above scale (in student's favor) if deemed appropriate.