COURSE SYLLABUS

STAT 4101
Mathematical Statistics II
Meetings 5:30 p.m. – 6:20 p.m.
Mondays, Wednesdays, Fridays
15 SH Fall Semester 2017
O. Stramer

COURSE DESCRIPTION

This course is a continuation of the first course in mathematical statistics (STAT 4100), intended for upper-level undergraduate students in the mathematical sciences as well as for graduate students in all disciplines. The goal is to provide a solid foundation in probability and statistical inference. Topics include convergence in distribution and convergence in probability, point estimation, confidence intervals, and testing of statistical hypotheses.

PREREQUISITES

The course prerequisite is STAT 4100.

Instructor: Osnat Stramer, 370 SH, phone: 335-3182,
                Email: osnat-stramer@uiowa.edu

Dept. Info: Prof. Joseph Lang, Chairman.
                Department of Statistics & Actuarial Science, 241 SH
                Phone: 335-0712,
                Email: joseph-lang@stat.uiowa.edu

OFFICE HOURS

Scheduled office hours for the course are from 4:00 pm to 5:15 pm, on Wednesdays and 10:30 am to 12:15 pm Fridays in 370 SH. Appointments at other times may be made via email.

EARNING CREDIT

Your semester grade will consist of the following components:
Homework 10%
Quizzes  20%
Midterm Exam I  15%  Monday September 25 in class.
Midterm Exam II  20%  Monday October 30 in class.
Final Exam  35%  TBD by the University.
Problem sets will generally be made available on ICON on Tuesday; answers will be due on Monday.

Exams: There will be two midterm exams and one cumulative final exam. The examination will be closed book and closed notes. Calculator may be used for exams, and any necessary statistical tables will be provided. One 8.5”x11” formula sheets (both sides) may be used for midterm I, two 8.5”x11” formula sheets (both sides) may be used for midterm II, and three 8.5”x11” formula sheets (both sides) may be used for the final. If an exam is missed, a make-up exam will be permitted only if the circumstances of missing the exam satisfy university policies.

Quizzes: There will be 6-7 closed-book 25-minutes quizzes at the end of class period. The quizzes will be closed book and closed notes, except that you may use a “crib sheet"-one page (8.5 x 11) of notes written on one side only. Calculator may be used and any necessary statistical tables will be provided. The dates of the quizzes will be announced only 2 days in advance (in class).

I reserve the right to give bonus points at any time. The bonus points may be applied to any part of your grade.

As a rough guide: 90-100% = A, 80-90% = B, 70-80% = C, 55-70% = D. This course uses the +/- grading system.

Readings: The course will closely follow chapters 4-8 of the text Introduction to Mathematical Statistics by Robert V. Hogg, Joseph W. McKean and Allen T. Craig (Seventh Edition, Prentice Hall, 2). All students taking the course for credit are expected to purchase this text, which is available in the bookstore.

COMMUNICATION: In the event that I need to communicate with you by email, I will assume that you read your firstname-lastname@uiowa.edu email at least every 24 hours.

INFORMATION FOR STUDENTS WITH DISABILITIES: I would like to hear from anyone who has a disability, which may require some modification of seating, testing, or other class requirements so that appropriate arrangements can be made. Please see me as soon as possible.

COLLEGE OF LIBERAL ARTS AND SCIENCES POLICIES AND PROCEDURES: This course is governed by the policies and procedures of the College of Liberal Arts.

https://clas.uiowa.edu/faculty/teaching-policies-resources-syllabus-insert