COURSE SYLLABUS

STAT 4100:0001
Mathematical Statistics I
Meetings 8:30 a.m. – 9:20 a.m.
Mondays, Wednesdays, Fridays
112 MH Fall Semester 2019
Osnat Stramer

COURSE DESCRIPTION

This is a course in mathematical statistics 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 the theory of random variables, probability distributions, and some elementary statistical inferences.

PREREQUISITES

The course prerequisites are the mathematics courses 22M: 027 and 22M: 028, or equivalents: undergraduate calculus including linear algebra.

TEXTBOOK

Introduction to Mathematical Statistics (7th ed.) Hogg, McKean and Craig, (Prentice Hall).
We will cover chapters 1-3 and part of chapter 4.

WWW

For selected course material such as handouts, homework assignments and solutions go to http://icon.uiowa.edu . Log in using your Hawk ID and Hawk ID password.

OFFICE HOURS

Scheduled office hours for the course are from 9:45 am to 11:15 am on MF in 370 SH. Appointments at other times may be made via email, osnat-stramer@uiowa.edu. Students seeking out-of-class help from me are expected to have excellent attendance in the lecture.
DEO CONTACT INFORMATION

Prof. Kung-Sik Chan, 241 SH, 335-0712
kung-sik-chan@uiowa.edu

EARNING CREDIT

Your semester grade will consist of the following components:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Homework Quizzes</td>
<td>15%</td>
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<tr>
<td>Quizzes</td>
<td>15%</td>
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<tr>
<td>Midterm Exam I</td>
<td>15% Thursday October 3 6:30-8:00 pm, 3655 SC</td>
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<tr>
<td>Midterm Exam II</td>
<td>20% Thursday October 31 6:30-8:00 pm, 3655 SC</td>
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<tr>
<td>Final Exam</td>
<td>35% TBD by the University</td>
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HOMEWORK: In general (not always), one homework will be assigned each week (mostly on Fridays). Homework is not collected. Instead, homework answers are posted on ICON. Students take homework quizzes on Mondays instead of graded homework. Make up homework quizzes are not given under any circumstances. The lowest homework quiz score is dropped from the calculation of the course grade. No “crib sheet” is allowed unless stated otherwise.

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 2-3 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. The dates of the quizzes will be announced only 2 days in advance (in class).

Note: Calculator may be used for homework quizzes, quizzes, and exams. Any necessary statistical tables will be provided.
I reserve the right to give bonus points at any time. The bonus points may be applied to any part of your grade.

As an approximate guide, grades will be given as:

90-100: A  
80-90:  B  
70-80:  C  
60-70:  D  
Below 60: F

Plus, and minus grades will be given.

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