

# STAT 5685: Mathematical Statistics II, Spring, 2009

January 21, 2008

**Instructor:** Jun Yan  
 Department of Statistics  
 CLAS 328  
 860/486-3416  
 jun.yan@uconn.edu

**Lectures:** M 3:00–4:00pm; W 2:00–4:00pm  
 CLAS 344

**Office Hours:** M 4:00–5:00pm; W 5:10–6:00pm; F 1:30–2:20pm

**HuskyCT:** • Log in using your NetID and NetID password at <http://huskyct.uconn.edu>.  
 • Use HuskyCT to access your grade book, but *nothing else* (no homework submission, no chatting, no mail, etc.).

**Course Description:** From Graduate Catalog:

The sufficiency principle, the likelihood principle, the invariance principle, point estimation, methods of evaluating point estimators, hypotheses testing, methods of evaluating tests, interval estimation, methods of evaluating interval estimators.

**Textbook:** Mukhopadhyay (2000) *Probability and Statistical Inference*. Chapters 6–12 will be covered.

**Grading:** Assessment of the subject will be based on the following four components with weights shown in parenthesis:

**Style (5%)** I expect almost everyone to receive all five points. If my grader or I had to reread a solution several times to find a train of thought, or if a solution was illegible, ambiguous, or incoherent, Style Points would be affected.

**Homework (15%)** Homework will be assigned weekly and must be turned in at the beginning of the class on the following Wednesday. Please do not merely write down the answers, but clearly show how you got your results. Two randomly selected problems will be graded.

The lowest homework grade will not count toward your final grade.

Late homework will *not* be accepted for *any* reason.

You are encouraged to discuss homework problems, but you must write up the solutions independently. No credit will be given to assignments that are substantially similar.

**Quizzes (20%)** There will be five 15-minute in-class quizzes. They will be in weeks 3, 5, 8, 10, and 13 (The week of Spring Break is excluded).

Only the best 4 quizzes count toward your grade.

Missed quizzes cannot be made up.

**Exams (60%)** The two in-class midterm exams (30%) are in week 6 and 11, respectively.

The comprehensive final exam (30%) is scheduled by the University.

Missed exams can be made up only with documentation of reasons required by the university policy, in which case, I should be informed one week prior to the anticipated absence.

**Formula Sheets** One page (single sided,  $8.5 \times 11$ in) is allowed for each quiz, two for each midterm exam, and six for the final exam.

**Important Dates:** Please mark your calendar.

Date	Event
Monday 02/02	Quiz 1
Monday 02/16	Quiz 2
Monday 02/23	Midterm 1
Monday 03/16	Quiz 3
Monday 03/30	Quiz 4
Monday 04/06	Midterm 2
Monday 04/20	Quiz 5
Tuesday 05/05 (1 — 3pm)	Final

**Notes:**

- This is a tough course.
- This should not be your first course in Statistics.
- Please do not wait until the night before the due date to start doing homework.
- Working on all the exercise problems is recommended. You will not learn how to solve problems by merely watching someone else do them; you must do them on your own.
- Please speak English in an academic setting.