

University of Toronto at Mississauga

STA261H5S – PROBABILITY AND STATISTICS II

Spring 2008

Lectures: Tuesdays 2 – 3 p.m. and Thursdays 1 – 3 p.m.

Instructor: Hadas Moshonov

E-mail: hadas@utstat.utoronto.ca

Web-page: www.utstat.utoronto.ca/hadas/STA261UTM/sta261.html

Office: South Building room 4055

Phone: 905-828-3804

Office hours: Mondays and Wednesdays 2:45-3:45 or by appointment.

Course Description

This course is a sequel to STA257H5 giving an introduction to current statistical theory and methodology. Topics include: estimation, testing, and confidence intervals; unbiasedness, sufficiency, likelihood; simple linear and generalized linear models.

Textbook

The textbook is D.D Wackerly, W. Mendenhall and R. Scheaffer *Mathematical Statistics with Applications*, 7th edition with student solutions manual.

Additional References:

Probability and Statistics, The Science of Uncertainty by Evans and Rosenthal.
Mathematical Statistics and Data Analysis by Rice

Evaluation

The grading scheme is the following (test date is tentative and might be changed):

Term Test	35%	To be held on Thursday, February 28 during lecture. (room TBA).
Quizzes	15%	weekly
Final exam	50%	

If final exam grade exceeds term test score, its weight will be increased to 65% (test decreased to 20%).

Tutorials and quizzes

Tutorials are Wednesdays 9-10 a.m. and 10-11 p.m. beginning on Wednesday, January 16. T.A information and tutorial rooms are posted on the course website. There will be a short quiz at the end of each tutorial. There is no quiz in the tutorial during term test week. There are ten quizzes; your best nine quiz marks are averaged for 10% of the final grade.

Practice Problems

Practice problems will be assigned weekly in lecture and will be posted on the web-site. They are **not** to be handed in. They will be appropriate preparation for the tutorial discussion, quizzes and the term tests.

Important Notes

- The term tests will be held during lecture time (1-3 p.m.) and will cover all the material covered in the lectures up to that time. It will be closed book with no aids allowed except a nonprogrammable calculator. If the test is missed for a valid reason, you must submit completed U of T medical form to the course Instructor (Hadas Moshonov) or to Kathleen Kazmierczak (SE4004) within one week of the test. Print on it your name, student number, course number and date. If documentation is not received in time, your test mark will be zero. Make-up tests will not be scheduled, if the test is missed for a valid reason, its weight will be shifted to the final exam.
- Make-up quizzes will not be scheduled. If you miss a quiz, you will be awarded a mark of zero for that quiz. Please see your TA to discuss exceptional circumstances regarding missed quizzes.
- Important announcements, additional examples, past tests/exams and other course info will be posted on the course web-page. **Check it regularly.**
- The lecturer and TA are there to help. Ask questions! If you have any comments or suggestions about the course, please tell us. We want to know what is good; we want to know when problems are developing. Remember that it takes time for information to travel and for action to be taken. Therefore, if you become aware of any problems, mention this to your instructor right away.
- The Academic Regulations of the University are outlined in the Code of Behavior on Academic Matters. You are expected to be familiar with, and to abide by, all components of the University's Academic Regulations as defined in the Code of Behavior on Academic Matters. The document can be found in the UTM Calendar or on the web at <http://www.utm.utoronto.ca/regcal/WEBGEN117.html>