

# STA257H – PROBABILITY AND STATISTICS I

Fall 2007

**Lectures:** Wednesdays 7:10 – 10 p.m. in SS1085  
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This is a first course in mathematical statistics, with emphasis on the required probability theory. Topics to be covered: probability models, random variables, discrete and continuous distributions, multivariate models, large-sample limiting results, some statistical applications. This corresponds to parts of chapters 2 to 7 of the textbook with additional material not found in the textbook.

## Textbook

The textbook is D.D Wackerly, W. Mendenhall and R. Scheaffer *Mathematical Statistics with Applications*, 6<sup>nd</sup> edition with the student solutions manual.

## Evaluation

The grading scheme is the following:

Term Test 1	20%	To be held on Wednesday, October 24 from 6:10-7 p.m. (room TBA).
Term Test 2	20%	To be held on Wednesday, November 28 from 6:10-7 p.m. (room TBA).
Quizzes	10%	Weekly
Final exam	50%	

## Tutorials

Tutorials are Wednesdays 6:10-7 p.m. beginning on Wednesday, **September 26**. Tutorial assignment (alphabetically) and location are posted on the course web-page and on the board outside the Statistic Aid center (SS2133). There will be a short quiz at the end of every Tutorial. There are no quizzes in tutorials during term test weeks. There are nine quizzes; your best eight quiz marks are averaged for 10% of the final grade.

## Assignments

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.

## Notes

- **This section of the course (L5101) will have completely different, marking scheme, term tests and final exam than the afternoon section (L0101). So make sure you are registered in the right section!**
- This course requires a strong background in calculus. MAT235 and MAT237 is an essential co-requisite.
- The term tests will be held during tutorial time (6-7 p.m.) and will cover all the material in lecture up to that time. It will be closed book with no aids allowed; a formula sheet will be provided. If the test is missed for a valid reason, you must submit appropriate documentation to the course Instructor (Hadas Moshonov) or the Departmental Office (SS6008) 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. 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 **T.A** 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's 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.