

STAT 1151

Introduction to Probability

Fall 2016

Tuesday/Thursdays 1:00–2:15PM
121 Lawrence Hall

Instructor Dr. Lucas Mentch

Department of Statistics, University of Pittsburgh

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Office Hours: Wednesdays 11:30 AM - 12:30 PM & By appointment

TA/Grader Wei Peng

Email: wep15@pitt.edu Office: 1825 WW Posvar Hall

Office Hours: Mondays 10:00-11:00 AM & Wednesdays 12:30-1:30 PM

Course description: This course provides an introduction to probability theories with a hint of applications. This is the first part of a two-semester course on calculus-based probability and mathematical statistics. Materials covered in this course include discrete and continuous sample spaces and probability, random variables, distributions, mathematical expectations, generating functions, and multivariate distributions.

Textbook: I. Miller and M. Miller, *John E. Freunds Mathematical Statistics with Applications*, Eighth Edition, Pearson Prentice Hall, NJ (ISBN: 978-0321807090)

Prerequisite: Calculus.

Course Requirements and Grading:

- Homeworks – 30%
- Midterm I – 20% - Tuesday Oct. 11 (In Class)
- Midterm II – 20% - Tuesday Nov. 15 (In Class)
- Final Exam (cumulative) 30% - Friday, December 16, 12:00-1:50PM.

Homework Policy:

- Problems will (usually) be assigned daily and collected weekly
- There will be a total of 11 homework assignments. The lowest grade will be dropped and the remaining 10 weighted equally (3% each) to form the homework grade

- Homework will be **due at the beginning of class** on the assigned collection day. Late homeworks will not be accepted. Homework assignments **must**:
 - Be STAPLED (not paper-clipped etc.)
 - Have your name clearly written at the top
 - Show all relevant work for each assigned problem; do not just give a final answer
 - Be neatly done; it should be easy to determine the work that corresponds to each problem and final answers should be circled where appropriate
- The TA reserves the right to refuse any homework that does not follow these guidelines

Midterm & Final Exam Policy:

- Midterms I and II will be given in class and will last the entire class period
- For each midterm and the final exam, students are permitted one (1) 8.5" × 11" sheet containing formulas, notes, or anything from the course you deem helpful. **No other aids of any kind are permitted.**
- Calculators are permitted but must be supplied by students. **Cell phones are not permitted and should be turned off and put away before the exam begins.**

University Policies:

- *Academic Integrity*

Students in this course will be expected to comply with the University of Pittsburgh's Policy on Academic Integrity. Any student suspected of violating this obligation for any reason during the semester will be required to participate in the procedural process, initiated at the instructor level, as outlined in the University Guidelines on Academic Integrity. This may include, but is not limited to, the confiscation of the examination of any individual suspected of violating University Policy. Furthermore, no student may bring any unauthorized materials to an exam, including dictionaries and programmable calculators.

- *Disability Services*

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and Disability Resources and Services (DRS), 140 William Pitt Union, (412) 648-7890, drsrecep@pitt.edu, (412) 228-5347 for P3 ASL users, as early as possible in the term. DRS will verify your disability and determine reasonable accommodations for this course.

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