Instructor: Robert Keener  
458 West Hall  
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Office Hours: Mondays 10:00am–11:30 a.m., Wednesdays 2:30–4:00 p.m., Fridays 10:00–11:00 a.m.  

Text:  
A First Course in Probability (Eighth Edition)  
Sheldon Ross, Prentice Hall, 2010  

Grader: Runlong Tang  
269 West Hall  
e-mail: rltang@umich.edu  
Office Hours: Mondays, 3:00-5:00 p.m. in 274 West Hall  

Assignments: Weekly, due Thursdays. Late assignments are not accepted.  

Tests: Two in-class exams and a final exam, all open book.  
Exam 1: Thursday, February 10  
Exam 2: Thursday, March 24  
Final: Tuesday, April 26, 1:30–3:30 p.m.  

Grading: Midterm Exams—20% each  
Final Exam—35%  
Homework Assignments—25% total  

SYLLABUS  

Axioms of Probability §2.1–2.4, §2.6 (2 lectures)  
Counting and Combinatorics §1.1–1.5, §2.5 (3 lectures)  
Conditional Probability and Independence Chapter 3 (3 lectures)  
Random Variables, Distributions and Expectation §4.1–4.5 (3 lectures)  
Important Discrete Distributions §4.6–4.8 (3 lectures)  
Continuous Distributions Chapter 5 (4 lectures)  
Jointly Distributed Random Variables §6.1–6.3 (4 lectures)  
More About Expectation §7.1–7.4, §7.7 (3 lectures)  
Law of Large Numbers and the Central Limit Theorem §8.1–8.3 (2 lectures)