MATH 3355-1: Probability

Time: Tuesday and Thursday 12:10–1:30

Room: Lockett 134

Prerequisite

Math 2057 or 2058. Suggested preparation for actuarial exams.

Textbook

Saeed Ghahramani: Fundamentals of Probability with Stochastic Processes, Third Edition, Pearson Prentice Hall, 2005

Coverage

The following chapters of the textbook will be covered:

1. Axioms of Probability
2. Combinatorial Methods
3. Conditional Probability and Independence
4. Distribution Functions and Discrete Random Variables
5. Special Discrete Distributions
6. Continuous Random Variables
7. Special Continuous Distributions
8. Bivariate Distributions
10. More Expectations and Variances
11. Sums of Independent Random Variables and Limit Theorems

Grading

Homework and attendance	120	pts
Three 100-pt exams	300	pts
Final exam	180	pts
Total score	600	pts

Tentative scale		
	A	520–600
	B	450–519
	C	380–449
	D	300–379
	F	below 300

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