

STAT 3330, Fall 2003
PROBABILITY (CRN 14098)
TR 3:00-4:20 p.m., Bell Hall 143

Instructor: Dr. Ming-Ying Leung
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Office Hours: TR 1:00 – 1:20 p.m., 4:20 - 5:00 p.m. or by appointment.

Course Objectives: To introduce probability concepts by a calculus-based approach, and their applications in science and engineering.

Scope: Theory and applications of probability models. Sample space, combinatorics, conditional probability, random variables, discrete and continuous probability distributions, expectation, moment generating functions, law of large numbers, and central limit theorem.

Text: An Introduction to Mathematical Statistics and Its Applications, 3rd edition, by Larsen and Marx.

Prerequisite: MATH 2313 (Calculus III)

Syllabus:

Chapter 1:	Introduction
Chapter 2:	Probability
Chapter 3:	Random Variables
Chapter 4:	Special Distributions

Grading:

Homework:	20%	(Due in class about every Thursday)
Class exercises:	10%	(Individual or group quizzes in class)
Exam I:	20%	(In class Thursday, October 2, 2003)
Exam II:	20%	(In class Thursday, November 6, 2003)
Comprehensive Final	30%	(1:00 – 3:45 p.m., Thursday, December 11, 2003)

NO MAKEUP EXAM will be given except for emergency or medical reasons. In such cases, the student should inform the instructor within 48 hours of the scheduled exam time, and submit a written request accompanied by official documents to arrange for a makeup test. **Overdue assignments** will only be accepted for a good reason. However, the instructor reserves the right to discount part or all of the credit for any late homework.

LAST DAY TO DROP an individual course and receive a grade W is October 20, 2003.