
MthSc 400 – 001: Theory of Probability

FALL 2009

M-301 Martin Hall, M/W/F 8:00 – 8:50am

Instructor	Chanseok Park (cspark@ces.clemson.edu) OFFICE: O-309 Martin Hall PHONE: (864)656-2730 OFFICE HOURS: 9:00 – 10:00am (M/W/F); or by appointment
Grader	T.B.A. (T.B.A.) OFFICE: T.B.A. PHONE: T.B.A. OFFICE HOURS: N.A.
Textbook	<i>Introduction to Probability and Its Applications</i> by Richard L. Scheaffer, Duxbury Press, 2nd edition (1995).
Recommended Prerequisite	MthSc 206 and 302 or equivalent. The expectation is that you have already been exposed to the basic calculus and statistics.
Material	The course will provide an introduction to probability concepts and theories. We will learn a knowledge and understanding of the fundamental results and techniques of probability, and applications of the theory to problems involving randomness. Especially, we will focus on fundamentals and axioms of probability; combinatorial analysis; conditional probability and independence; random variables (discrete, continuous, & jointly distributed); properties of expectation. Time permitting, we will study some limit theorems and simulation.
Policy	<ul style="list-style-type: none">• Attendance Policy: Class attendance is mandatory. If you miss a class for some reason, it is your responsibility to get notes, <i>etc.</i> from someone in class. I will not repeat lectures during my office hours.• All drop/add procedures are your responsibility.• Disability access statement from the Office of Student Disability Services: <i>It is University policy to provide, on a flexible and individualized basis, reasonable accommodations to students who have disabilities. Students are encouraged to contact Student Disability Services to discuss their individual needs for accommodation.</i> For more information see student handbook.• Tardy Professor Policy: If the instructor has not arrived within 15 minutes of the scheduled class time, you may assume that class has been canceled.
Grading	The final grade will be curved and calculated as follows: HOMEWORKS: 10 % MIDTERMS 1, 2, 3: 60% (20+20+20) FINAL: 30 % GRADING SCALE: 90~100 (A), 80~90 (B), 60~80 (C), 40~60 (D). Final exam can replace the lowest mid-term exam grade if it is better. For example, if a student misses one mid-term exam, then the final exam will count 50% of the total score.

Exams	MIDTERM 1: Sep. 25 (Fri)	(in-class)
	MIDTERM 2: Oct. 23 (Fri)	(in-class)
	MIDTERM 3: Nov. 23 (Mon)	(in-class)
	FINAL: Dec. 10	11:30am – 2:00pm

All the exams will be closed-book.

For the mid-term exams, you will be allowed to bring in *one* 8.5×11 formula sheet made up by yourself. For the final (comprehensive), you will be allowed to bring in *two* 8.5×11 formula sheets made up by yourself.

A calculator will be permitted but cannot be shared with others.

No early or late exams will be allowed without a written and legitimate excuse.

Homeworks The students can collaborate on their homework problems, but they should submit their homeworks separately. Late homeworks will **not** be accepted. Up to 2 ~ 4 problems, selected at random, will be graded in detail, on a scale of 0–5 each. To get full credit, you must show all work on the homework problems, which must be handed in in the same order as they are assigned. You have to keep all the graded homeworks in case of missing grades due to missing name or typo errors. *Always* PRINT YOUR NAME clearly.

Key Dates	Aug. 19 (Wed)	: Classes begin
	Aug. 25 (Tue)	: Last day to register
	Sep. 1 (Tue)	: Last day for students to drop without a W grade
	Oct. 2 (Fri)	: Last day for instructors to issue midterm grades
	Oct. 9 (Fri)	: Last day to drop without final grades
	Oct. 12 – 13 (M-Tu)	: Fall Break
	Nov. 25 – 27	: Thanksgiving holidays
	Dec. 7 – 11	: Final Exams
	Dec. 14 (Mon)	: Deadline to submit candidate grades (9:00am)
	Dec. 16 (Wed)	: Deadline to submit other grades (9:00am)
	Dec. 17 (Th)	: Graduation

- Note**
- <http://bb.clemson.edu/> (Black Board)
 - <http://www.clemson.edu/asc/> (academic support center – free tutoring)
 - <http://www.registrar.clemson.edu> (academic calendar, registration and grading)
 - <http://www.clemson.edu/academics/academic-integrity> (academic integrity)

The official statement on Academic Integrity

As members of the Clemson University community, we have inherited Thomas Green Clemson's vision of this institution as a *high seminary of learning*. Fundamental to this vision is a mutual commitment to truthfulness, honor, and responsibility, without which we cannot earn the trust and respect of others. Furthermore, we recognize that academic dishonesty detracts from the value of a Clemson degree. Therefore, we shall not tolerate lying, cheating, or stealing in any form.

When in the opinion of a faculty member, there is evidence that a student has committed an act of academic dishonesty, the faculty member shall make a formal written charge of academic dishonesty including a description of the misconduct, to the Dean of the Graduate School. At the same time, the faculty member may, but is not required to, inform each involved student privately of the nature of the alleged charge.