STAT 519 (Introduction to Probability), Spring 2017 – Useful Information

Instructor Information

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Teaching Assistant

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Meeting Time and Location

TR 07:30 HRS, REC 113

Office Hours

Friday, 14:00 HRS (Pasupathy)

Content and Prerequisites

This course is a nonmeasure theoretic introduction to probability that will treat such basic topics as probability spaces, combinatorial problems, independence, random variables, distribution functions, moment generating functions, special continuous and discrete distributions, distribution of a function of a random variable, and some limit theorems. The course will prepare the student for further studies in stochastic processes and statistics, and assumes knowledge of elementary calculus including multiple integration. Having a working knowledge of probability theory has become crucial in many modern fields of engineering, science, and applied mathematics. While no specific application will be covered in detail, simplified examples will be “sprinkled” throughout the course in an attempt to guide probabilistic intuition and insight.

Required Textbook

“Introduction to Probability Theory” by Hoel, Port and Stone.

Grading

Homeworks – 20%
Mid-term Exams (2) – 50%
Final Exam – 30%

Exam Dates

Mid-term I: Thursday, 02/09/2017
Mid-term II: Thursday, 03/23/2016
Final Exam: Please check Purdue Scheduling.
Some General Remarks

1. I will follow the course textbook pretty closely.

2. Homeworks account for 20 percent of your grade. I will assign a homework with five to seven problems on most weeks. Homeworks will always be assigned on a Thursday and will be due before midnight on the following Thursday. All homework solutions should be submitted electronically through Blackboard; graded homeworks are to be collected from the teaching assistant either during office hours or by setting up an appointment.

3. Missed exams will be dealt with on a case-by-case basis.

4. Class attendance is far from mandatory.

Students with Disabilities

If you have an impairment/condition that may require special accommodation, please contact Purdue University’s Disability Resource Center (DRC). DRC’s website states that the office will attempt to coordinate accommodations for a student with a disability under Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, and the 2008 ADAA. For such accommodations, the student should register with the DRC and have appropriate documentation from a licensed or certified professional. (Please see http://www.purdue.edu/odos/drc/.)

Honor code

Academic dishonesty will be dealt with in a very severe fashion.