Syllabus

Lecture: MWF 1:30–2:20pm
Classroom: Keller 403

Instructor: Pierre-Olivier Parisé (email: `parisepo@hawaii.edu`)
Office: Physical Science Building (PSB) 302
Office hours: TBA

Course description

Probability spaces, random variables, distributions, expectations, moment-generating and characteristic functions, limit theorems. Continuous probability emphasized.

Course objectives

Upon successful completion, the student will have a foundation in the basic topics of the theory of Probability listed above in the syllabus. Emphasis on rigor will provide students the understanding needed for graduate work, and in the study of the logical foundations of mathematics.
Prerequisites: Math 244 (or concurrent) or 253A (or concurrent); recommended 305 or 371 or 372.

Required course material

Course website: `https://mathopo.ca/courses-website/MATH-471/MATH-471.html`. All the information about the course (like the schedule, important dates) is posted on the course website. Assignments will be posted on the Laulima website.

Important Dates

Refer to the schedule on the course website.

- Final:
  - December, 15th, 2:15–4:15pm.
- Non-instructional day(s):
  - Labor Day, September 4th.
  - Veteran's Day, November 10th.
  - The day after Thanksgiving Day, November 24th.

Grading components

Your final grade will be calculated based on a weighted average of the following components.

(1) **Homework (60%):** There will be homework assigned at the beginning of each chapter and due a week after the chapter is finished[1]. The problems will be posted on Laulima under the Assignments tab. Your homework should be submitted in my mailbox in Keller 418.
(2) **Final exam (40%):** There will be a final comprehensive exam as scheduled by the university on December, 15th, 2:15–4:15pm.

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[1]There are two exceptions. The homework for Appendix L and Appendix S will be due on Monday, August 28th.

Lectures

If you miss a lecture, you are responsible for any assignments, announcements made, and lecture notes missed. Unavoidable absences should be explained to the instructor. Office hours will not be utilized to re-teach material presented in a class missed.

Missed assignment policies

Policies for exams: The final exam cannot be taken before the scheduled time for any reason.
Policies for homework: Late homework won't be accepted and will result of a mark of zero(0).

Academic integrity: All students are expected to abide by the university's Conduct Code. Academic sanctions for dishonesty may include receiving an F in the assignment or receiving an F in the class. There may be additional administrative sanctions.

Classroom policies

Tablets can be used for note-taking only. During lectures, to respect the lecturer and your colleagues, refrain from using electronic items, cell phones, music players, tablets, and laptops for any other purposes than note-taking.

Please arrive, be seated and ready to start each class on time. If you have a valid reason to leave early, please advise me before the class and try to sit near the exit to minimize disruption.

Sources of help

KOKUA: I am happy to work with you and the KOKUA Program (Office for Students with Disabilities), if you need course accommodations due to a disability. KOKUA can be reached at (808) 956-7511 or (808) 956-7612 (voice/text) in room 013 of the Queen Lili'uokalani Center for Student Services. All course modifications must be arranged through KOKUA. You are encouraged to start this process as early as possible.

Concerns

If at any time during the semester you have any questions or concerns about the class, please contact me during regularly scheduled office hours or via email to make an appointment. You may also contact the following people:

Director of Undergraduate Studies
Mirjana Jovovic
Email: `undergrad-dir@math.hawaii.edu`

Associate Chair
Bjørn Kjos-Hanssen
Email: `assoc-chair@math.hawaii.edu`