Syllabus for Math 3670

Summer 2024

Course Information

1. Instructor: Daesung Kim (dkim3009 (at) gatech.edu)

2. Office: Skiles 023

3. Time and Place: TTH 12:30-2:40pm, J. Erskine Lo 183

4. Office Hour: TBA

5. Textbook: Jay L. Devore, Probability and Statistics for Engineering and the Sciences, 8th ed., Thomson

Course objectives: The course will introduce the basic notion of probability theory and its application to statistics. The focus will be on the discussion of applications.

Homework There will be approximately 7 homework assignments, each homework is due at the beginning of Thursday class and late homework will not be accepted. The homework assignments are taken from the textbook and selected exercises from each homework will be graded. Each homework corresponds roughly to some material in each of the first eight chapters of the textbook. On any homework exercise just writing an answer without explanation is unsatisfactory. To obtain full mark (assuming your answer is correct) you need to show your work and justify your answer.

Exams: The first and the second exams are to be taken in class during classtime, they are closed book, no notes are allowed. You may use a scientific calculator but no laptop or calculator able to do symbolic differentiation or integration. Tentative schedule for midterm exams are June 6 and June 27. The final exam date will be announced later. Before a makeup exam is administered, a student's absence has to be cleared by the Dean of Students.

Grading Policy

1. HW: 20% (weekly, the lowest one HW will be dropped.)

2. Two Midterms: 20% (lower), 25%

3. Final: 35%

4. Cutoffs: F :[0, 59); D :[60, 69); C :[70, 79); B :[80, 89); A :[90, 100].
   If needed, curving will be done at the end of the semester on the overall final grade.

Important Dates

1. The Grade Mode Deadline as well the Withdrawal Deadline and Grade Substitution Deadline: 6/29

2. Final instructional Class Days: 7/23

3. Official Holiday: 7/4

4. Midterm Exam dates: 6/6, 6/27 in class

5. Final Exam date: TBA