Syllabus for Math 3215

Spring 2024

Course Information

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

2. Office: Skiles 023

3. Time and Place: Section A, TTH 8:00am - 09:15am, Instructional 111 / Section C, TTH 9:30am - 10:45am, Instructional 115

4. Office Hour: TBA

5. Textbook: Probability and Statistical Inference, 10th Edition, by Robert Hogg, Elliot Tanis, Dale Zimmerman

Course objectives: We will cover essentially Chapters 1-4 and selected topics in Chapters 5-8. For a course schedule which lists the sections which we are covering on a given day, check the course website. The course is problem based, meaning that we will be learning through examples in lecture and homework. The student will be graded on weekly homework, two midterms, and the Final Exam during the final exam period. The goal is to introduce the student to the basic concepts of probability and statistics with a view towards applications and further study.

Homework There will be approximately eleven homework assignments, each homework is due at the beginning of class and late homework will not be accepted. The homework assignments are taken from Hogg, Tanis and Zimmerman's book 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 compulsory textbook. On any homework exercise just writing an answer without explanation is unsatisfactory (and, assuming the answer is correct it will only give you 10% of the maximal grade). 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 test are to be taken in class during classtime, they are closed book, no notes, without calculator. Tentative schedule for midterm exams are Feb 14 and Apr 4. The Final exam is also closed book, no notes, and without calculator. The 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: 3/13

2. Final instructional Class Days: 4/23

3. Spring break: 3/18-22

4. Midterm Exam dates: 2/15, 4/4 in class

5. Final Exam date: TBA