

STAT 4500/5600: Mathematical Statistics I
Course Information, Fall 2022
Lectures: Tue & Thu 8:35 a.m.-9:55 a.m. **Room:** CB 3400

Instructor: Sanjoy Sinha (sinha@math.carleton.ca)

Office: HP 5221

Office hours: Tue & Thu 12:00 p.m.–1:00 p.m.

Marking scheme:

Assignments: 25%

Midterm: 25%

Final Exam: 50%

Textbook:

Title: Statistical Inference, Second Edition

Authors: George Casella and Roger L. Berger

Publisher: Duxbury - Thompson Learning, 2002.

Course outline: Following topics from the textbook will be covered:

Chapter 2: Transformations and Expectations

Chapter 3: Common Families of Distributions

Chapter 4: Multiple Random Variables

Chapter 5: Properties of a Random Sample

Chapter 6: Principles of Data Reduction

Chapter 7: Point Estimation

Midterm exam: Thursday, October 20 (in class)

Final exam: To be scheduled by the university

NOTES:

1. Students wishing to see their final examination papers must make an appointment within two weeks of the examination.
2. The Paul Menton Centre for Students with Disabilities (PMC) provides services to students with Learning Disabilities (LD), psychiatric/mental health disabilities, Attention Deficit Hyperactivity Disorder (ADHD), Autism Spectrum Disorders (ASD), chronic medical conditions, and impairments in mobility, hearing, and vision. If you have a disability requiring academic accommodations in this course, please contact PMC at 613-520-6608 or pmc@carleton.ca for a formal evaluation. If you are already registered with the PMC, contact your PMC coordinator to send me your Letter of Accommodation at the beginning of the term, and no later than two weeks before the first in-class scheduled test or exam requiring accommodation (if applicable). Requests made within two weeks will be reviewed on a case-by-case basis. After requesting accommodation from PMC, meet with me to ensure accommodation arrangements are made. Please consult the PMC website (www.carleton.ca/pmc) for the deadline to request accommodations for the formally-scheduled exam (if applicable).