

STAT 5502 W: Sampling Theory and Methods
Course Information, Winter 2021

Lectures: Tue & Thu 10:05 a.m. – 11:25 a.m. **Room:** Zoom meeting

Instructor: Dr. Sanjoy Sinha
E-mail: sinha@math.carleton.ca
Office Hours: Zoom meeting (by appointments only)

Marking Scheme:

Assignments: 50%
Final Exam: 50%

Textbook:

Title: Sampling Techniques, 3rd Edition
Author: W. G. Cochran
Publisher: New York, Wiley 1977

Course Outline: Following topics from the textbook will be discussed throughout the term:

- Simple random sampling
- Ratio estimation
- Stratified sampling
- Generalized regression estimation
- Sampling with unequal probabilities
- Multistage sampling

Final Exam: TBA

NOTES

1. Students wishing to see their final examination papers must make an appointment within two weeks of the examination.

2. Academic Accommodations for Students with Disabilities: 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). After requesting accommodation from PMC, meet with me to ensure accommodation arrangements are made. Please consult the PMC website for the deadline to request accommodations for the formally-scheduled exam (if applicable).