

Assignments:

Assignments will be posted on Courselink and due in class approximately every other week. These assignments are to be your own work, though you are encouraged to interact with other students. **NO LATE ASSIGNMENTS WILL BE ACCEPTED.**

Content: This is just a guideline, but should help you gauge the pace of the course.

Week	Topic
1	Introduction; terminology and notation. (Chapters 1, 2)
2	Bias; probability sampling; sample selection methods. (Chapters 2,3)
3	Sampling distributions; properties of parameter estimates; confidence intervals; sample sizes. (Chapter 3, Assn 1 DUE FRIDAY in class)
4	Simple Random Sampling; means, totals, proportions. (Chapter 4)
Mon. Oct. 12	NO CLASS – Thanksgiving
5	Ratio and regression estimation; difference estimation; efficiency. (Chapter 6, Assn 2 DUE FRIDAY in class)
6	Stratified sampling; sampling weights; optimal allocation. (Chapter 5)
Wed. Oct. 21	MIDTERM – in class
7	Stratified sampling; post-stratification, two-stage sampling. (Chapter 5, Assn 3 DUE FRIDAY in class)
8	Quota sampling; systematic sampling; 1-in- k systematic sampling. (Chapter 7)
9	Cluster sampling; one-stage, equal and proportional-to-size probabilities. (Chapter 8, Assn 4 DUE FRIDAY in class)
10	Cluster sampling; two-stage with equal cluster sizes or unequal probabilities. (Chapter 9)
11	Estimation of population size; direct, inverse, quadrat sampling. (Chapter 10)
12	Complex designs; bootstrapped variance estimation; design effects. (Chapter 11, Assn 5 DUE <u>MONDAY</u> in class)
Tues. Dec. 15	FINAL EXAM 11:30 – 1:30 , room TBA

ACADEMIC MISCONDUCT: The University of Guelph is committed to upholding the highest standards of academic integrity and it is the responsibility of all members of the University community – faculty, staff, and students – to be aware of what constitutes academic misconduct and to do as much as possible to prevent academic offences from occurring. University of Guelph students have the responsibility of abiding by the University's policy on academic misconduct regardless of their location of study; faculty, staff and students have the responsibility of supporting an environment that discourages misconduct. Students need to remain aware that instructors have access to and the right to use electronic and other means of detection.

Please note: Whether or not a student intended to commit academic misconduct is not relevant for a finding of guilt. Hurried or careless submission of assignments does not excuse students from responsibility for verifying the academic integrity of their work before submitting it. Students who are in any doubt as to whether an action on their part could be construed as an academic offence should consult with a faculty member or faculty advisor.