

MATH / STAT 3380
Sample Survey Methods
2018/2019 Winter

Instructor: Dr. Lam Ho
Time: TR 11:35 am - 12:55 pm (Jan 07, 2019 - April 05, 2019)
Location: LSC-COMMON AREA C242
Office hours: TR 2:00 pm - 3:20 pm or by appointment
Office: CHASE building 301
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Course Description: The development of design and analysis techniques for sample surveys

Course Prerequisites: MATH / STAT 2060

Textbook: Sampling: Design and Analysis, Sharon L. Lohr (2nd Edition).

Course Assessment: There are homework assignments, 1 midterm exam and 1 final exam. The exams are closed-book but the students are allowed to bring **2** double sided pages of notes. The schedules for the exams:

- The midterm will be held in class on Tuesday, February 26, 2019.
- Final: TBA

Your numerical grade is computed as follows:

Component	Weight (% of final grade)
Assignments	25%
Midterm	25%
Final	50%

Conversion of numerical grades to Final Letter Grades follows the Dalhousie Common Grade Scale

A+ (90-100)	B+ (77-79)	C+ (65-69)	D (50-54)
A (85-89)	B (73-76)	C (60-64)	F (<50)
A- (80-84)	B- (70-72)	C- (55-59)	

Course Policies:

- No late assignments will be accepted.
- Assignments can be hand-written (legible) or typed.
- Make-up exams can only be arranged in exceptional circumstances such as illness (with medical certificate). In such circumstances, the students must inform the instructor as soon as possible and provide proof.
- The students are responsible for making aware of any announcement regarding the course during class.

Course Content:

Topics

Simple Probability Samples

Stratified Sampling

Ratio and Regression Estimation

Cluster Sampling with Equal Probabilities

Sampling with Unequal Probabilities

Nonresponse
