Syllabus for the Sampling Theory (Math-698)

- Introduction: Role of sample surveys, description of sampling designs and methods, required math tools.

- Simple random sampling.

- Stratified Sampling.

- Ratio and Regression Estimation.

- Sampling with Equal and Unequal probabilities.

- Systematic Sampling.

- Two-phase Sampling.

Final Grade
Midterm Exam: 35%

Homework (One set of exercises after midterm, return at final exam): 15%

Final Exam: 50%