

Stat 560: Sample Surveys (Spring/2010)

Class Meetings: Monday, Wednesday and Friday 9:00 AM-9:50 AM

February 15, March 1st, April 12, and May 7 (no classes due to the Furlough Program)

Instructor: Dr. Kung-Jong Lui, GMCS 509

Office Hours: Monday and Wednesday, 10:00 AM-11:00 AM and 1:00 PM-2:00 PM.

Textbooks: 1. W. G. Cochran (1977). Sampling Techniques. Wiley, New York.

2. Richard L. Scheaffer, William Mendenhall III, R. Lyman Ott. (1996). Elementary Survey Sampling, Fifth edition. Duxbury Press, Belmont, California.

Course Grade: Grades are given on the basis of

1. Homework Assignments account for 25%,

2. Midterm, 25%

and

2. A Final Exam, 50%.

Course Outlines:

This course will cover the fundamental theories of Sample Surveys, Simple Random Sampling, inverse sampling, Sampling Proportions, Sample Size Determination, Stratified Random Sampling, Ratio Estimators, Systematic Sampling, as well as Single-Stage and Multiple-Stage Cluster Sampling.