Course Information For Statistics 6287-10
Modern Theory of Survey Sampling
Fall 2012

Instructor
Dr. Promod Chandhok; Rome Hall 560, Statistics Department, (202) 994-6356;
email: pchandhk@gwu.edu; office hours: Tuesdays 8:40-9:30 PM

Lecture
Tuesdays 6:10-8:40 p.m. in Monroe 110 (2115 G St.)

Course Objectives
The main objectives of the course are to provide a rigorous treatment of sampling theory and its
applications. This class will introduce simple random sampling with and without replacement,
systematic sampling, unequal probability sampling with and without replacement, ratio
estimation, difference estimation and regression estimation. cluster sampling, and methods for
dealing with nonresponse.

Course Prerequisites
Statistics 4157 or 4158 or equivalent

Text
Sharon Lohr, Sampling: Design and Analysis (2010) Brooks Cole Publishing, Boston,
Massachusetts

Reference
U.K..

Learning Outcomes
Upon completion of the course, the student should be able to understand the basic concepts in
survey sampling.

Grading Policy
Midterm 30%
Class Participation and Homework 30%
Final 40%

Course Outline
Chapters 1 - 8, plus other topics if time permits.

Course Policies

Attendance:
As this class meets only 15 times this semester, students are expected to be present for all
sessions. Students who have to miss a session must obtain prior approval and arrange to turn in
any assignments at a mutually agreed upon time.

*Late assignments:*
Assignments are expected to be turned in at the beginning of the class. No late assignments will be accepted.

*University policy on religious holidays:*
1. Students should notify faculty during the first week of the semester of their intention to be absent from class on their day(s) of religious observance;
2. Faculty should extend to these students the courtesy of absence without penalty on such occasions, including permission to make up examinations.

**Academic Integrity**
I personally support the GW Code of Academic Integrity. It states: “Academic dishonesty is defined as cheating of any kind, including misrepresenting one's own work, taking credit for the work of others without crediting them and without appropriate authorization, and the fabrication of information.” For the remainder of the code, see: [http://www.gwu.edu/~ntegrity/code.html](http://www.gwu.edu/~ntegrity/code.html)

**Support For Students Outside The Classroom**

**DISABILITY SUPPORT SERVICES (DSS)**
Any student who may need an accommodation based on the potential impact of a disability should contact the Disability Support Services office at 202-994-8250 in the Marvin Center, Suite 242, to establish eligibility and to coordinate reasonable accommodations. For additional information please refer to: [http://gwired.gwu.edu/dss/](http://gwired.gwu.edu/dss/)

**UNIVERSITY COUNSELING CENTER (UCC) 202-994-5300**
The University Counseling Center (UCC) offers 24/7 assistance and referral to address students' personal, social, career, and study skills problems. Services for students include:
- crisis and emergency mental health consultations
- confidential assessment, counseling services (individual and small group), and referrals [http://gwired.gwu.edu/counsel/CounselingServices/AcademicSupportServices](http://gwired.gwu.edu/counsel/CounselingServices/AcademicSupportServices)

**Security**
In the case of an emergency, if at all possible, the class should shelter in place. If the building that the class is in is affected, follow the evacuation procedures for the building. After evacuation, seek shelter at a predetermined rendezvous location.