Syllabus

Course: STAT 187, Introduction to Sampling
Semester: Fall, 2010
Time: MW, 2:20-3:30 pm.
Location: Phillips Hall, Room B152

Instructor:
Name: Tapan Nayak
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Office hours: MW, 1:00-2:00pm. Other times are available by appointment.

Course description
This course introduces the main concepts and tools in the design and analysis of sample surveys. Topics include simple random, stratified, systematic, cluster, and multistage designs; sample size calculation; calculation of estimates, standard errors and confidence intervals; control of sampling and non-sampling errors.

Course prerequisite: Stat 51 or equivalent.


Learning outcomes
As a result of completing this course, students will be able to:
1. Describe and explain main concepts and methods in survey sampling.
2. Design surveys, including sample size calculations.
3. Analyze survey data – calculate estimates, standard errors and confidence intervals.
4. Evaluate and compare survey designs.

GRADING: HW & Quizzes 50%; Final Exam 40%; Class Participation 10%.

Notes: 1. Bring your textbook and a calculator to every class.
2. Quiz dates may not be announced in advance and quizzes may cover material covered in the same class. No make-up quiz will be given without a compelling reason.
3. Late HW will be accepted only with a valid excuse.
4. The final exam will be based on the entire syllabus.

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;
3. Faculty who intend to observe a religious holiday should arrange at the beginning of the semester to reschedule missed classes or to make other provisions for their course-related activities

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

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/

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

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.