

Mathematics 325
Survey Sampling Methods
Fall 2008

2 pm–3:15 pm; Tuesday Burruss 034 and Thursday Burruss 130
Instructor: Dr. Steven Garren

I. Prerequisite: MATH 220 or 318.

II. Instructor's office information

email:	garrenst@jmu.edu
location:	Roop Hall, room 313
web-site:	http://www.math.jmu.edu/~garrenst
office hours:	Monday 2:30 p.m.– 3:30 p.m. Tuesday 9:30 a.m.–10:30 a.m. Wednesday 10:30 a.m.–11:30 a.m. Thursday 9:30 a.m.–10:30 a.m.

III. Text required

Scheaffer, Mendendall, and Ott (2006) *Elementary Survey Sampling*, 6th ed.

IV. Course objectives

- Some of the main topics covered are theory and practice of sampling including stratified random samples, discussion of simple random samples, cluster sampling, estimating sample size, ratio estimates, subsampling, two-stage sampling and analysis of sampling error.
- *R* or *Splus* (www.r-project.org) is the required statistical software package used in this course.

V. Grading

20%	Homework
20%	Exam I: Thursday, September 18
20%	Exam II: Thursday, October 16
20%	Exam III: Thursday, November 13
20%	Final Exam: Tuesday, December 9, 10:30 a.m.–12:30 p.m.

A. Homework

- Homework problems are listed on my web-site.
- Students are permitted to work together on homework, without directly copying other students' work.
- All homework scores count toward one's final grade; i.e., no scores are dropped.
- No late homeworks will be accepted.

B. Exams

- Exams are closed book and closed notes.
- The final exam is cumulative.
- At least 80% of the weighting of the exams will come from modifications to the homework problems and in-class examples.

VI. Miscellaneous

- Calculators are NOT allowed for exams and required homework problems.
- For locations of computers, see
www.jmu.edu/computing/labs/locations/index.shtml
- Students may enroll in “auto-grade,” which immediately emails the student his/her grade whenever a (homework, exam, project, or final) grade is recorded electronically.
- Class attendance will be taken each class, and will be emailed to the students via “auto-attendance.”
- The final date to withdraw from this course with a “W” is October 23.
- “WP” and “WF” will NOT be assigned in this course.
- The “D–” is a valid grade this semester.
- The honor code of the university will be strictly enforced.