

Statistics 480: Survey Sampling Techniques

Winter 2018

Monday, Wednesday 2:30–4 (B844 East Hall)

Professor: Walter R. Mebane, Jr.

Office: 7735 Haven Hall (cell 607/592-0546); email wmebane@umich.edu

Office hours: Tue 2–4 or other times by appointment.

Labs: Th 8:30AM–10:00AM (1570 CCL) or Th 4:00PM–5:30PM (B760 EH)

GSI: Adam Hall (hallac@umich.edu) and Fabricio Vasselai (vasselai@umich.edu)

GSI Office hours: Adam Hall (TBA) and Fabricio Vasselai (TBA).

Textbook: Scheaffer, Mendenhall, Ott, *Elementary Survey Sampling*, 7th edition.

Homework: Ungraded homework will be assigned in section on Jan 11, Jan 25, Feb 15, Mar 8, Mar 15 and Apr 5, and graded homework will be assigned in section on Jan 18, Feb 1, Feb 22 and Mar 22; homework is due at section the week after it is assigned (Feb 22 homework is due on March 8). **Late homework will not be accepted.** Collaborative work on the homework is encouraged, but each of you must submit answers written by yourself using your own expressions and presentations.

Project: There will be a final group project (teams of three), due at 1:30pm on April 18. Each team will make a presentation of their project to the class on either April 11 or April 16. See [project.pdf](#). The quality of the presentation will factor into the “project” grade.

Exams: There will be three exams, two during class time (tentatively scheduled for February 12 and April 2) and the final exam (April 23 1:30pm–3:30pm). Each exam will use an open book, open notes, open computer (but no communications, please) format.

Attendance: **Attendance at the class meeting of March 28 is mandatory.** Teams for the final project will be formed in class on that day (see [project.pdf](#)). The participation grade will be based somewhat on your activity in the class lecture sessions, more on a participation score the GSI provides measuring your activity in the lab sections, and a bit on the presentation on April 11 or 16 (whether you participate both in presenting and from the audience).

Tentative Schedule

dates	topic or event
Jan 3, 8	introduction (chapter 2)
Jan 10	chapter 3
Jan 17, 22, 24	chapter 4
Jan 29, 31, Feb 5, 7	chapter 5 (and a bit about Horvitz-Thompson)
Feb 12	EXAM 1
Feb 14, 19, 21	chapter 6
Mar 5, 7, 12	chapter 8 (and some of Chapter 7)
Mar 14, 19, 21, 26	chapter 9
Mar 28	project work
Apr 2	EXAM 2
Apr 4, 9	chapter 7 (and another topic TBD)
Apr 11, 16	presentations
Apr 18, 1:30pm	final project paper due
April 23, 1:30pm–3:30pm	final exam

Course Grades

assignment	weight
homework	20%
exam 1	15%
exam 2	15%
project	20%
final exam	25%
participation	5%