Course Objectives

This course will consider applied principles and approaches for conducting a sample survey, designing a survey, and analyzing a survey. Also this will cover sampling design and analysis methods that would be useful for research and management in many field. A well designed sampling procedure ensures that we can summarize and analyze data with a minimum of assumptions and complications.

Suggested Text (required)

- Elementary Survey Sampling, 7th Ed., by Scheaffer, Mendenhall, Ott and Gerow

Weekly HW & Summarizing Assignments by week

- Week 1 (By Jan 9) Syllabus
- Week 2 (By Jan 16) Summarize 2.1-2.7 in at least 7 pages
- Week 3 (By Jan 23) Chapter 2 (2, 4, 6, 25, 26, 28, 29, 30)
- Week 4 (By Jan 30) Summarize 3.1-3.7 in at least 7 pages
- Week 5 (By Feb 6) Chapter 3 (2, 4, 6, 10, 12, 14, 16, 17, 18, 19, 20)
- Week 6 (By Feb 13) EX#1 (Ch2.1-3.7) 8:00-9:20 am
- Week 7 (By Feb 20) Summarize 4.1-4.7 in at least 7 pages
- Week 8 (By Feb 27) Chapter 4 (1, 2, 4, 9, 10, 14, 15, 16, 17, 20, 21, 41, 42, 44)
- Week 9 (By Mar 6) Summarize 5.1-5.7 in at least 7 pages
- Week 10 (By Mar 13) Chapter 5 (1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 17, 18, 19, 20, 29, 30)
- Week 11 (By Mar 20) SPRING BREAK
- Week 12 (By Mar 27) Summarize 6.1-6.7 in at least 7 pages
- Week 13 (By Apr 3) Chapter 6 (1, 2, 3, 4, 5, 8, 10, 12, 13, 14, 15, 17, 18, 19, 26, 29)
- Week 14 (By Apr 10) Summarize 7.1-7.7 in at least 7 pages
- Week 15 (By Apr 17) Chapter 7 (1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 17, 18, 19, 20)
- Week 16 (By Apr 24) EX#2 (Ch4.1-7.7) 8:00-9:20 am
- FINAL (By May 8) FINAL (Ch2.1-7.7) 2.00-4.00 pm

You can discuss HW however you have to use your own words. To fail this will result 0. Exams are open book and open notes with calculator. However you must be separate.

Point allocation: Summarizing 6x15=90, HW 6x15=90, EX1=70, EX2=100, F=150
You get an A if total>=450, B if total>=400, C if total>=350, D if total>=300. F, otherwise. And the deadline for the “W” is Feb 28.

This is independent study which means basically you have to study by yourself assuming no big help from your instructor. I expect you to spend at least more than 6 hours per week. And missing a class results 10 points (2%) minus! Good luck!