

INSTRUCTOR: Dr. Paul Doherty
DISCUSSANT: Dr. David Otis
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OFFICE HOURS: After class or by appointment
TIME/PLACE: TBA
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PREREQUISITES: Basic course in statistics (ST301 or ST307 or equivalent), familiarity with spreadsheet and statistics software.

TEXT & READINGS: Thompson, S. K. 2012. Sampling (3rd Edition). John Wiley & Sons, New York.
 Additional readings as assigned.

Course Description/Objectives:

Sample surveys are fundamental to many wildlife and fish problems. Sample surveys are one of three classes of studies conducted in the wildlife profession (in addition to experimental and observational studies). However survey sampling is little covered in introductory statistics courses. This course will introduce students to survey sampling theory and techniques with emphasis on wildlife studies. Subjects will be motivated by examples in the wildlife and fish profession,

The objective of this course is to provide students with an introduction to sampling with an emphasis on wildlife and fish problems. This course will 1) emphasize the integrity of the survey sample, 2) explore a series of survey designs, 3) study and discuss relevant examples and applications to wildlife and fish studies.

Student Evaluation & Grades: Approximate Distribution of Points By Percentages

Exam I & II	45%
Homework Assignments	25%
Quizzes	15%
Attendance/class participation/projects	15%

The expectation for this class is that students will have viewed assigned materials (e.g., Powerpoint, video, readings) and have completed assigned problems prior to class. You will come to class prepared to participate in discussions, and to ask questions. Assigned homework will be turned in on time and late work will only be accepted within 24 hours from the due date and will be penalized 20%. Quizzes will utilize the IClicker technology and students will need to buy/borrow an IClicker (available at the bookstore).

This course will adhere to the CSU Academic Integrity Policy as found in the General Catalog - 1.6, pages 7-9. (<http://www.catalog.colostate.edu/Content/files/2012/FrontPDF/1.6POLICIES.pdf>) and the Student Conduct Code (<http://www.conflictresolution.colostate.edu/conduct-code>). At a minimum, violations will result in a grading penalty in this course and possibly a report to the Office of Conflict Resolution and Student Conduct Services.

Aspects of the syllabus (below) and schedule may change as the course proceeds. Any change will be announced in class.