Analysis of Animal Populations  
FW 661

Credit hours:  5

Term offered:  Winter, alternate years, 08, 10.

Instructor:  Robert Anthony

Course objectives:
1. Introduce advanced students to quantitative methods for estimating vital statistics of wildlife populations.
2. Stress the importance of testing critical assumptions and statistical inference in population analysis.

Course content:
1. Estimation of population size from capture-recapture data and distance sampling.
3. Estimation of population stability.
4. Emphasis on hypothesis testing and model selection.

Prerequisites:  St 511, 512 or equivalent; 3 credits in animal ecology.

Text:  Class lecture notes and suggested readings from the literature.

Term papers:  None

Testing:  Short quizzes, 3 mid-term exams.

Students for whom the course is intended:  Graduate students interested in biometrics and vertebrate population biology.