

Department: NRME

Course No. : 3345W

Title: Wildlife Management Techniques

Credits: 4

Contact Person: Morty Ortega

WQ: W

Catalog Copy: 233. Wildlife Management Techniques

First semester, alternate years. Two credits. One 4-hour laboratory period. Prerequisite: NRME 232. Open only with consent of instructor. One or more field trips will be required. Barclay

Collection and reporting of biological data upon which wildlife conservation decisions are based.

Revised Cat Copy: 3345W. Wildlife Management Techniques

First semester, alternate years. 4 credits. Three class periods and one 3-hour laboratory period. Prerequisite: ENGL 110 or 111 or 250, and NRME 3335. Written technical reports are required weekly; at least 15 pages of successive reports must be revised and show improvement from one report to the next. One or more field trips will be required. Barclay

Principles and techniques used in wildlife management, with applications to species, populations, habitats, and human dimensions. Topics include equipment, sample collection, harvest regulations, habitat evaluation and management.

Justification:

- a) The primary reason for revision is to provide suitable recognition and credit for the writing component which is already a part of the course.
- b) The course is currently 200 level.
- c) This revision will provide another "W" course option within the NRME department
- i) Not cross listed

W Criteria: Professional technical writing aspects such as: 1). accessing libraries, agencies and municipal offices for public information, 2). use of literature and other sources, 3). producing field reports, research and management proposals, 4). writing for public outreach, and 5). other communication skills (e.g. interviews, seminars) will be addressed. Ten student reports, averaging 3pp in length, based on 10 class activities, must be submitted for evaluation. If the student chooses to improve a grade on a report, as many as 3 graded lab reports may be revised, then re-submitted for re-evaluation. The better of the two grades per report will be recorded in compiling the final grade for the course. Students enrolled for

“W” credit are expected to use the feedback received from the instructor about their first paper to write their second, and feedback from their second paper to write their third, etc. Papers will be returned promptly so that students can demonstrate use of the feedback in subsequent reports. Reports will be edited and evaluated on the basis of appearance, grammar, spelling and syntax, accuracy, completeness, organization and quality of content, use of literature and illustrations, originality of thought, and improvement. A minimum of 15 pages will be submitted and evaluated per student. Failure to complete the writing component requirements will result in an “F” for the course.

Supplemental Information:

SYLLABUS

NRME 3345W - WILDLIFE MANAGEMENT TECHNIQUES – Fall 2008

PROFESSOR: John S. Barclay

OFFICE: 230 WB Young

PHONE: 486-0143

Email: John.Barcly@UConn.edu

CREDITS: 4

OFFICE HOURS: by appointment

LOCATION: 305 WBY

COURSE DESCRIPTION:

This course emphasizes the principles and techniques used in wildlife management, with applications to wildlife species, populations, habitats, and human dimensions. The course is intended for students who are preparing for professional careers in wildlife conservation, natural sciences, and related areas of natural resources management. The course helps fulfill The Wildlife Society professional certification requirements.

PRIMARY GOAL:

To educate pre-professional students as to “real world” diversity, technical applications and outcomes of contemporary wildlife conservation instrumentation, practices and programs.

OBJECTIVES:

1. To be able to recognize and evaluate basic wildlife habitat components and their role in wildlife conservation programs;
2. To be able to describe, apply and evaluate appropriate wildlife management practices.
3. To identify, select and obtain appropriate expertise, information, and other resources for successful management of wildlife resources;
4. To communicate wildlife management objectives, results and information to others.

PREREQUISITES:

Students should have completed a course in fundamentals of ecology, or an equivalent experience. Completion of applied ecology courses such as NRME 3335 (Wildlife Management), plus taxonomy courses such as NRME 2415 (Dendrology) or EEB 4272 (Summer Flora), mammalogy and ornithology is desirable.

APPROACH:

This course includes lectures, discussions, laboratory exercises and field activities. Presentations from wildlife conservation professionals, and field trips to observe or participate in wildlife management practices, will be emphasized. Prior knowledge of basic wildlife ecology and management principles is expected. Field trips are required and students should plan accordingly. Adverse field conditions including weather, poison ivy/poison sumac, nettles, briars, stinging or biting insects are to be anticipated. Hats, insect repellent, sunscreen, sun glasses, rain gear, jeans and boots, other suitable attire, etc. can make for a safer and more comfortable outing. Cameras, a compass and binoculars will be helpful. An introduction to safe handling of traps and firearms by certified instructors may be included as part of the course package.

TEXT:

Braun, Clait E. 2005. Techniques for Wildlife Inventory and Management. The Wildlife Society, Bethesda, MD, USA. (2007 price = \$75 non-members, \$70 TWS members, including students, purchased from TWS)

USEFUL REFERENCE MATERIALS:

Hobson S., J. Barclay and S. Broderick. 1993. Enhancing wildlife habitats: a practical guide for forest landowners. Northeast Regional Agricultural Engineering Service, Ithaca, NY.

(See Lori, CANR Publications Store, basement of W.B. Young Bldg. or Debbie in Room 308).

Various field guides to birds, herps, mammals, animal sign and plants.

FIELD TRIPS: Field trips are based on, and occasionally will vary from, the weekly class period. Students are responsible for dressing appropriately for field activities – “earth tones” are preferable to bright colors or white in situations where wildlife observation may occur. Personal field guides, binoculars and camera can be useful and are recommended. Participation, questions, note taking, interest and enthusiasm contribute to the final grade. A fee may be assessed if necessary to meet costs of travel.

EVALUATION: One or more un-announced quizzes may be given. Performance will be determined primarily on the **basis of 10 weekly written reports (or graded revisions if improved), one final report (oral and written), and participation.**

GRADES: Will be based on percentage of total points earned. Letter grades will be consistent with University policy.

10 weekly reports @ 10 pts each (including rewrites) 100

Mid-term Lab & Field Practical 100

Lab & Field Notebook	50
Participation	50
Final oral / written research/management report	100
TOTAL	400 pts

NOTE: Assignments are due at the beginning of the next class unless otherwise notified. It is your responsibility to notify the instructor ahead of class time if you encounter unavoidable assignment or scheduling conflicts. Weather, speaker schedules or other unforeseen circumstances may require adjustments in the schedule.