Course Syllabus

Department: Environmental Conservation and Horticulture

Date: 01/09/12

I. Course Prefix and Number: CON 113

   Course Name: Wildlife Field Techniques

   Credit Hours and Contact Hours: 3 credit hours – 3 contact hours

   Catalog Description including pre- and co-requisites: This course focuses on field techniques employed by wildlife professionals. Topics include proper animal handling, various capture techniques, measuring and tagging, telemetry, camera traps, sampling protocols and basic research design. Mammal and bird techniques will be emphasized with some reptile and amphibian techniques covered as appropriate.

II. Course Outcomes and Objectives

   Student Learning Outcomes:

   Students will:

   1. Demonstrate proper equipment usage and animal handling and care techniques for each capture method employed (ethics/values and professional competency)
   2. Collect biometric measurements and perform basic calculations such as mean and range (mathematics)
   3. Graph data collected in field work (mathematics)
   4. Write protocols for the various field techniques employed in class (writing, critical thinking)
   5. Design an original research project (writing, critical thinking)

   Relationship to Academic Programs and Curriculum:

   This course is required for the AAS Fish and Wildlife Technology degree. It can also be used as an elective for other CON degrees or a general elective for students outside of these majors.

   College Learning Outcomes Addressed by the Course:

   ✔ writing
   ☐ oral communications
   ☐ reading
   X mathematics
   X critical thinking
   ☐ computer literacy
   ☐ ethics/values
   ☐ citizenship
   ☐ global concerns
   ☐ information resources
III. Instructional Materials and Methods

Types of Course Materials:

Journal articles, worksheets, field journal, equipment

Methods of Instruction (e.g. Lecture, Lab, Seminar …):

Lecture, field practice, guest instructors

IV. Assessment Measures (Summarize how the college and student learning outcomes will be assessed):

Practical test demonstrating equipment usage and animal handling; data collection, calculation, graphing and analysis; written exams; student developed written protocols; and a student generated research project.

V. General Outline of Topics Covered:

1. IACUC and other animal handling considerations
2. Animal capture techniques
3. Non-capture techniques
4. Taking measurements
5. Elements of a research project
6. Data analysis and graphical representations