UNIVERSITY OF KENTUCKY

New Course Report

1/11/2013 9:55:59 AM

1. General Information

1a. Submitted by the College of: AGRICULTURE

Date Submitted: 1/11/2013

1b. Department/Division: Animal and Food Sciences

1c. Contact Person

Name: William J. Silvia

Email: wsilvia@uky.edu

Phone: 7-7545

Responsible Faculty ID (if different from Contact)

Name:

Email:

Phone:

1d. Requested Effective Date: Semester following approval

1e. Should this course be a UK Core Course? No

2. Designation and Description of Proposed Course

2a. Will this course also be offered through Distance Learning?: No

2b. Prefix and Number: ASC 435

2c. Full Title: Wildlife Science and Applications

2d. Transcript Title:

2e. Cross-listing:

2f. Meeting Patterns

LECTURE: 2

LABORATORY: 1

2g. Grading System: Letter (A, B, C, etc.)

2h. Number of credit hours: 3

2i. Is this course repeatable for additional credit? No

If Yes: Maximum number of credit hours:

If Yes: Will this course allow multiple registrations during the same semester?

2j. Course Description for Bulletin: A review of the major scientific disciplines that make up animal science (anatomy, genetics, nutrition, physiology, behavior) and how these are applied to the management of wildlife in diverse settings.

2k. Prerequisites, if any: ASC 101 or BIO 152, consent of instructor

2l. Supplementary Teaching Component:

3. Will this course taught off campus? No

If YES, enter the off campus address:

4. Frequency of Course Offering: Spring,

Will the course be offered every year?: Yes

If No, explain:

5. Are facilities and personnel necessary for the proposed new course available?: Yes

If No, explain:

6. What enrollment (per section per semester) may reasonably be expected?: limited to 12

7. Anticipated Student Demand

Will this course serve students primarily within the degree program?: Yes

Will it be of interest to a significant number of students outside the degree pgm?: Yes

If Yes, explain: [var7InterestExplain]

8. Check the category most applicable to this course: Not Yet Found in Many (or Any) Other Universities ,

If No, explain:

9. Course Relationship to Program(s).

a. Is this course part of a proposed new program?: No

If YES, name the proposed new program:

b. Will this course be a new requirement for ANY program?: No

If YES, list affected programs:

10. Information to be Placed on Syllabus.

a. Is the course 400G or 500?: No

b. The syllabus, including course description, student learning outcomes, and grading policies (and 400G-/500-level grading differentiation if applicable, from **10.a** above) are attached: Yes

Distance Learning Form

Instructor Name:

Instructor Email:

Internet/Web-based: No

Interactive Video: No

Hybrid: No

1.How does this course provide for timely and appropriate interaction between students and faculty and among students? Does the course syllabus conform to University Senate Syllabus Guidelines, specifically the Distance Learning Considerations?

2.How do you ensure that the experience for a DL student is comparable to that of a classroom-based student's experience? Aspects to explore: textbooks, course goals, assessment of student learning outcomes, etc.

3.How is the integrity of student work ensured? Please speak to aspects such as password-protected course portals, proctors for exams at interactive video sites; academic offense policy; etc.

4.Will offering this course via DL result in at least 25% or at least 50% (based on total credit hours required for completion) of a degree program being offered via any form of DL, as defined above?

If yes, which percentage, and which program(s)?

5.How are students taking the course via DL assured of equivalent access to student services, similar to that of a student taking the class in a traditional classroom setting?

6.How do course requirements ensure that students make appropriate use of learning resources?

7.Please explain specifically how access is provided to laboratories, facilities, and equipment appropriate to the course or program.

8.How are students informed of procedures for resolving technical complaints? Does the syllabus list the entities available to offer technical help with the delivery and/or receipt of the course, such as the Information Technology Customer Service Center (http://www.uky.edu/UKIT/)?

9.Will the course be delivered via services available through the Distance Learning Program (DLP) and the Academic Technology Group (ATL)? NO

If no, explain how student enrolled in DL courses are able to use the technology employed, as well as how students will be provided with assistance in using said technology.

10.Does the syllabus contain all the required components? NO

11.I, the instructor of record, have read and understood all of the university-level statements regarding DL.

Instructor Name:

SIGNATURE|KCROUCH|Kathryn F Crouch|Dept approval for ZCOURSE_NEW ASC 435|20130102

SIGNATURE|KCROUCH|Kathryn F Crouch|College approval for ZCOURSE_NEW ASC 435|20130102

SIGNATURE|JMETT2|Joanie Ett-Mims|Undergrad Council approval for ZCOURSE_NEW ASC 435|20130102

SYLLABUS

Instructor: William J. Silvia **Office:** 409 W.P. Garrigus Bldg
Phone: 257-7545 **Email:** wsilvia@uky.edu

Office hours: by appointment

Course Description: A review of the major scientific disciplines that make up animal science (anatomy, genetics, nutrition, physiology, behavior) and how these are applied to the management of wildlife in diverse settings.

Prerequisites: BIO 152 or ASC 101, consent of instructor

Credit Hours: 3 (lecture 2, lab 1/week)
Lectures: Tues, Thurs 11:00 AM A-7 Agr. Sci. North (beneath Seay Auditorium)
Laboratory: Thurs 1:00 – 4:00 PM N-11 Agr. Sci. North

Student Learning Outcomes: After completing this course, students will be able to:

1. Describe how scientific principles developed for domestic livestock are used to manage wildlife.
2. Critically evaluate the performance of a facility/program whose purpose is to maintain, propagate and/or manage wildlife.
3. Identify wildlife to the ordinal level based on skeletal and soft tissue remains.
4. Safely and systematically conduct a necropsy on a wildlife specimen.

Required Textbook: Hosey, Melfi and Pankhurst. 2009. *Zoo Animals: Behavior, Management and Welfare.* Oxford University Press

Grading:

4 Lab Worksheets	40 pts
6 Field Trip Reports	60 pts
Phylogenetics presentation	25 pts
Journal Article presentation	50 pts
Term Project	100 pts
Class participation	50 pts
Midterm exam	100 pts
Final exam (at instructor's discretion)	100 pts
TOTAL	**525 pts.**

A final grade will be assigned based on the percentage of total points accumulated throughout the course:

A = 90 and above	B = 80-89.9	C = 70-79.9
D = 60-69.9	E = less than 60	

Assignment Descriptions:

Lab worksheets are 4-10 pages long consisting of short answer questions designed to guide the student through the lab activity for the day. They are to be completed during the lab session and turned in before the student leaves lab for the day.

A Field Trip Report consists of a complete review of a wildlife management operation that we visit and a thorough evaluation of the nutritional, reproductive, genetic and behavioral management program in effect at this operation. These are typically 4-8 pages in length (12 pt font, double spaced, excluding pictures). They are due within one week of the field trip visit. Field trip attendance is mandatory.

Each student will give a 15-20 minute **presentation on the phylogenetics** of a mammalian species of his/her choosing. The presentation will be based on articles selected from the primary scientific literature by the student in consultation with the instructor.

Each student will give a 20-25 minute **presentation on a journal article** describing how scientific practices/procedures developed using domestic livestock species are being applied in the management of wildlife. The presentation will be based on articles selected from the primary scientific literature by the student in consultation with the instructor.

The T**erm Project** is a comprehensive evaluation of a wildlife management program/operation using the same format as was used in preparing the field trip reports (see above). The objectives of the operation/program need to be clearly identified. A thorough description of the nutritional, reproductive, genetic and behavioral management programs should follow with emphasis on how these programs help meet the stated objectives. At least three references from the primary scientific literature that form the basis for one or more of the management practices are to be included. Reports are typically 6-12 pages in length (12 pt font, double spaced, excluding pictures). An oral presentation about the program/operation is also presented to the class. The written and oral portions of the term project are worth 50 pts each.

Students are expected to listen thoughtfully to all presentations and engage in the **discussion** of each.

The **midterm exam** consists of short answer and essay questions based on material covered in the first half of the course. This is primarily based on the reviews of the nutritional, physiological, genetic and behavioral sciences in lecture and the labs on skeletal and soft tissue anatomy.

The **final exam** will be administered at the discretion of the instructor based on the level of performance in the field trip reports and term projects. It will have the same format as the midterm exam.

All assignments must be turned in and exams must be taken on the dates specified in class by the instructor unless a valid university excuse is provided (see UK governing regulations for the definition of a valid university excuse or if you have any questions). Failure to abide by these regulations will result in a grade of 0 for that assignment or test. Field trip reports and term projects can be submitted in electronic form by email to the instructor.

Excused Absences:
Students need to notify the professor of absences prior to class when possible. S.R. 5.2.4.2 defines the following as acceptable reasons for excused absences: (a) serious illness, (b) illness or death of family member, (c) University-related trips, (d) major religious holidays, and (e) other circumstances found to fit "reasonable cause for nonattendance" by the professor.

Students anticipating an absence for a major religious holiday are responsible for notifying the instructor in writing of anticipated absences due to their observance of such holidays no later than the last day in the semester to add a class. Information regarding dates of major religious holidays may be obtained through the religious liaison, Mr. Jake Karnes (859-257-2754).

Students are expected to withdraw from the class if more than 20% of the classes scheduled for the semester are missed (excused or unexcused) per university policy.

Verification of Absences
Students may be asked to verify their absences in order for them to be considered excused. Senate Rule 5.2.4.2 states that faculty have the right to request "appropriate verification" when students claim an excused absence because of illness or death in the family. Appropriate notification of absences due to university-related trips is required prior to the absence.

Academic Integrity:
Per university policy, students shall not plagiarize, cheat, or falsify or misuse academic records. Students are expected to adhere to University policy on cheating and plagiarism in all courses. The minimum penalty for a first offense is a zero on the assignment on which the offense occurred. If the offense is considered severe or the student has other academic offenses on their record, more serious penalties, up to suspension from the university may be imposed.

Plagiarism and cheating are serious breaches of academic conduct. Each student is advised to become familiar with the various forms of academic dishonesty as explained in the Code of Student Rights and Responsibilities. Complete information can be found at the following website: http://www.uky.edu/Ombud. A plea of ignorance is not acceptable as a defense against the charge of academic dishonesty. It is important that you review this information as all ideas borrowed from others need to be properly credited.

Part II of *Student Rights and Responsibilities* (available online http://www.uky.edu/StudentAffairs/Code/part2.html) states that all academic work, written or otherwise, submitted by students to their instructors or other academic supervisors, is expected to be the result of their own thought, research, or self-expression. In cases where students feel unsure about the question of plagiarism involving their own work, they are obliged to consult their instructors on the matter before submission.

When students submit work purporting to be their own, but which in any way borrows ideas, organization, wording or anything else from another source without appropriate

acknowledgement of the fact, the students are guilty of plagiarism. Plagiarism includes reproducing someone else's work, whether it be a published article, chapter of a book, a paper from a friend or some file, or something similar to this. Plagiarism also includes the practice of employing or allowing another person to alter or revise the work which a student submits as his/her own, whoever that other person may be.

Students may discuss assignments among themselves or with an instructor or tutor, but when the actual work is done, it must be done by the student, and the student alone. When a student's assignment involves research in outside sources of information, the student must carefully acknowledge exactly what, where and how he/she employed them. If the words of someone else are used, the student must put quotation marks around the passage in question and add an appropriate indication of its origin. Making simple changes while leaving the organization, content and phraseology intact is plagiaristic. However, nothing in these Rules shall apply to those ideas which are so generally and freely circulated as to be a part of the public domain (Section 6.3.1).

Please note: Any assignment you turn in may be submitted to an electronic database to check for plagiarism.

Accommodations Due to Disability:
If you have a documented disability that requires academic accommodations, please see me as soon as possible during scheduled office hours. In order to receive accommodations in this course, you must provide me with a Letter of Accommodation from the Disability Resource Center (Room 2, Alumni Gym, 257-2754, email address: jkarnes@email.uky.edu) for coordination of campus disability services available to students with disabilities.

Classroom Behavior Policies:
Use of cell phones in class is not permitted.

Course Schedule

Wildlife Science and Applications

week	Lecture	Lab
Jan. 12	Introduction	Lecture: phylogenetics
Jan. 17, 19	Comparative Nutrition, Reproduction, Genetics, Behavior	Comparative skeletal anatomy 1
Jan. 24, 26	Comparative Nutrition, Reproduction, Genetics, Behavior	Comparative skeletal anatomy 2
Jan. 31, Feb. 2	Comparative Nutrition, Reproduction, Genetics, Behavior	Comparative anatomy wildlife dissection/necropsy
Feb. 7, 9	Comparative Nutrition, Reproduction, Genetics, Behavior	Comparative anatomy wildlife dissection/necropsy
Feb. 14, 16	Managing wildlife in the wild	Field trip: KY Fish and Wildlife, Salato, KY
Feb. 21, 23	Managing wildlife in the wild	Field trip: Canoe Creek Ranch, Lancaster, KY
Feb. 28, Mar. 1	Exam 1	Field trip: KY Bison Co, Goshen, KY
Mar. 6, 8	Managing wildlife in captivity, production	Field trip: Primate Rescue Center, Nicholasville, KY
Mar. 20, 22	Managing wildlife in captivity, production	Field trip: Louisville Zoo
Mar. 27, 29	Managing wildlife in captivity, conservation	Field trip: Cincinnati Zoo
April 3, 5	Managing wildlife in captivity, conservation	Term Project example: De Wildt Cheetah and Wildlife Center
April 10, 12	Managing wildlife in captivity, zoos	Managing wildlife in captivity, zoos
April 17, 19	Term Project presentation	Term Project presentations
April 24, 26	Term Project presentation	Term Project presentations

Final Exam: Tuesday, May 1 at 1:00 PM

UNIVERSITY OF KENTUCKY

College of Agriculture
Department of Animal and Food Sciences
Dairy Section
400 W. P. Garrigus Building
Lexington, KY 40546-0215
Office: 859/257-7545
Fax: 859/257-7537

September 12, 2012

Larry J. Grabau
Associate Dean for Instruction
College of Agriculture
University of Kentucky
Lexington, KY 40546-0091

Larry:

Please submit the attached request for a new course to the College Curriculum Committee for their consideration. The course is titled 'Wildlife Science and Applications' (proposed course number: ASC 435). In this course, students learn how livestock-based, disciplinary research in the animal sciences (nutrition, reproductive physiology, genetics, behavior, disease management) has been and can be applied to the management of wildlife. Dr. Michael Lacki (Forestry) was consulted throughout the development of the course. There is only minor overlap in course content with 'Wildlife Biology and Management' (FOR 370). This is a novel course offering for a department of animal science. To my knowledge, only the University of Missouri has a similar course. I believe that it will become more common in the future. The American Society of Animal Science has made efforts to include wildlife in its programming. Profiles of deer, elephant and giraffe are now included in the society logo. I have taught this course three times as a section of GEN 300. Student evaluations have been overwhelmingly positive. It has already been included as specialty support for BIO and NRS majors. I believe that it will be a strong addition to our curriculum.

Sincerely

WJS

William J. Silvia
Professor of Animal and Food Sciences
University of Kentucky
Lexington, KY 40546-0215

Telephone: 859-257-7545
FAX: 859-257-7537
e-mail: wsilvia@uky.edu

Larry:

In response to your request I have modified the text below.

Bill Silvia has asked me to contact you regarding the utility of his wildlife course for students in the College of Agriculture. I have heard a lot of positive comments from many students over the past couple of years, and I now regularly encourage wildlife student advisees to consider taking the class. Bill emphasizes content that complements much of what is taught in Forestry, with sufficient overlap that the students can see how all the material ties together. A large segment of Bill's course addresses wildlife physiology, especially reproductive biology, and stresses issues related to management of big game species, including ungulates and carnivores. These are topic areas that receive limited attention in FOR 370 (Wildlife Biology & Management - Lacki), FOR 230 (Conservation Biology - Cox), FOR 101 (Introduction to Wildlife Management - Barnes), or the new Herpetology course to be offered in spring 2013 (Price), so their availability to students in another course adds to the depth and breadth of wildlife content in the course offerings of the College. Given that our Department Chair, Red Baker, is moving toward a stronger emphasis in wildlife in course offerings in Forestry, Bill's class is a logical addition and strong supplement to what we are trying to accomplish here. The course is very appropriate for Forestry, NRES, Biology, and Animal and Food Sciences majors. I highly recommend that it become a permanent part of the ASC curriculum.

Regards,

Mike

Michael J. Lacki
Professor of Wildlife Ecology and Management
Department of Forestry