

APPLICATION FOR NEW COURSE

MAY 12 2014 REV

1. General Information.

OFFICE OF THE SENATE COUNCIL  
MAY 6, 2013

- a. Submitted by the College of: Agriculture, Food and Environment Today's Date: May 6, 2013
- b. Department/Division: Animal and Food Sciences
- c. Contact person name: William Silvia Email: wsilvia@uky.edu Phone: 7-7545
- d. Requested Effective Date:  Semester following approval OR  Specific Term/Year<sup>1</sup>: \_\_\_\_\_

2. Designation and Description of Proposed Course.

- a. Prefix and Number: ASC 333
- b. Full Title: Topics in Animal Science (subtitle required)
- c. Transcript Title (if full title is more than 40 characters): Topics in Animal Science
- d. To be Cross-Listed<sup>2</sup> with (Prefix and Number): \_\_\_\_\_

e. Courses must be described by at least one of the meeting patterns below. Include number of actual contact hours<sup>3</sup> for each meeting pattern type.

____ Lecture	____ Laboratory <sup>1</sup>	____ Recitation	____ Discussion	____ Indep. Study
____ Clinical	____ Colloquium	____ Practicum	____ Research	____ Residency
____ Seminar	____ Studio	1-4 Other – Please explain:		Possible meeting patterns, will vary with course: 1 h total: 1 h lecture 2 h total: 1 h lecture, 2 h lab 2 h total: 1 h lecture, 1 h discussion 3 h total: 2 h lecture, 2 h lab 4 h total: 3 h lecture, 2 h lab

- f. Identify a grading system:  Letter (A, B, C, etc.)  Pass/Fail
- g. Number of credits: 1-4
- h. Is this course repeatable for additional credit? YES  NO   
If YES: Maximum number of credit hours: 8
- If YES: Will this course allow multiple registrations during the same semester? YES  NO

i. Course Description for Bulletin: Intensive study in a unique aspect of animal agriculture not covered in other courses currently offered. May be repeated under a different subtitle two times to a maximum of 8 credits.

- j. Prerequisites, if any: permission of instructor
- k. Will this course also be offered through Distance Learning? YES<sup>4</sup>  NO

<sup>1</sup> Courses are typically made effective for the semester following approval. No course will be made effective until all approvals are received.  
<sup>2</sup> The chair of the cross-listing department must sign off on the Signature Routing Log.  
<sup>3</sup> In general, undergraduate courses are developed on the principle that one semester hour of credit represents one hour of classroom meeting per week for a semester, exclusive of any laboratory meeting. Laboratory meeting, generally, represents at least two hours per week for a semester for one credit hour. (from SR 5.2.1)  
<sup>4</sup> You must *also* submit the Distance Learning Form in order for the proposed course to be considered for DL delivery.

## 1. General Information

1a. Submitted by the College of: AGRICULTURE, FOOD AND ENVIRONMENT

Date Submitted: 5/12/2014

1b. Department/Division: Animal and Food Sciences

1c. Contact Person

Name: William Silvia

Email: wsilvia@uky.edu

Phone: 859-257-7545

Responsible Faculty ID (if different from Contact)

Name: William Silvia

Email: wsilvia@uky.edu

Phone: 859-257-7545

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 333

2c. Full Title: Topics in Animal Science (subtitle required)

2d. Transcript Title: Topics in Animal Science

2e. Cross-listing:

2f. Meeting Patterns

OTHER: 1-4

OTHEREXPLAIN: Faculty will use this course title to teach new courses that may or may not be added to the curriculum later. Meeting patterns will vary and may include a combination of any of the options listed above.

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

2h. Number of credit hours: 1-4

2i. Is this course repeatable for additional credit? Yes

If Yes: Maximum number of credit hours: 8

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

2j. Course Description for Bulletin: Intensive study in a unique aspect of animal agriculture not covered in other courses currently offered. May be repeated under a different subtitle two times to a maximum of 8 credits.

2k. Prerequisites, if any: Specified by instructor for each offering

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?: No

If No, explain: Course will be offered as dictated by faculty interest

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?: 20

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?: No

If Yes, explain:

8. Check the category most applicable to this course: Traditional – Offered in Corresponding Departments at Universities Elsewhere,

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|RHARMON|Robert J Harmon|ASC 333 NEW Dept Review|20130508

SIGNATURE|LGRABAU|Larry J Grabau|ASC 333 NEW College Review|20130926

SIGNATURE|JMETT2|Joanie Ett-Mims|ASC 333 NEW Undergrad Council Review|20140423

SIGNATURE|JEL224|Janie S Ellis|ASC 333 NEW Senate Council Review|20140506

SIGNATURE|LGRABAU|Larry J Grabau|ASC 333 NEW Approval Returned to College|20140513

Courses	Request Tracking
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## New Course Form

<https://myuk.uky.edu/sap/bc/soap/rfc?services=>

[Open in full window to print or save](#)

Generate R

## Attachments:

[Browse...](#)

Upload File

	ID	Attachment
Delete	3336	ASC 333 new course proposal (revised 4-1-2014).pdf
Delete	3404	ASC 333 syllabus Revised.doc
Delete	3405	Procedure for Establishing a Section of ASC 333.doc

First 1 2 Last

Select saved project to retrieve...

Get New

(\*denotes required fields)

## 1. General Information

- a. \* Submitted by the College of:  Submission Date:
- b. \* Department/Division:
- c.
- \* Contact Person Name:  Email:  Phone:
- \* Responsible Faculty ID (if different from Contact)  Email:  Phone:
- d. \* Requested Effective Date:  Semester following approval OR  Specific Term/Year <sup>1</sup>
- e. Should this course be a UK Core Course?  Yes  No
- If YES, check the areas that apply:
- Inquiry - Arts & Creativity  Composition & Communications - II
- Inquiry - Humanities  Quantitative Foundations
- Inquiry - Nat/Math/Phys Sci  Statistical Inferential Reasoning
- Inquiry - Social Sciences  U.S. Citizenship, Community, Diversity
- Composition & Communications - I  Global Dynamics

## 2. Designation and Description of Proposed Course.

- a. \* Will this course also be offered through Distance Learning?  Yes <sup>1</sup>  No
- b. \* Prefix and Number:
- c. \* Full Title:
- d. Transcript Title (if full title is more than 40 characters):
- e. To be Cross-Listed <sup>2</sup> with (Prefix and Number):
- f. \* Courses must be described by at least one of the meeting patterns below. Include number of actual contact hours<sup>3</sup> for each meeting pattern type.
- |                                       |  |                                     |                                     |
|---------------------------------------|--|-------------------------------------|-------------------------------------|
| <input type="checkbox"/> Lecture      | <input type="checkbox"/> Laboratory <sup>1</sup> | <input type="checkbox"/> Recitation | <input type="checkbox"/> Discussion |
| <input type="checkbox"/> Indep. Study | <input type="checkbox"/> Clinical                | <input type="checkbox"/> Colloquium | <input type="checkbox"/> Practicum  |
| <input type="checkbox"/> Research     | <input type="checkbox"/> Residency               | <input type="checkbox"/> Seminar    | <input type="checkbox"/> Studio     |
- 1-4 Other If Other, Please explain:  Faculty will use this course title to teach new courses that may or may not
- g. \* Identify a grading system:
- Letter (A, B, C, etc.)
- Pass/Fail
- Medicine Numeric Grade (Non-medical students will receive a letter grade)
- Graduate School Grade Scale
- h. \* Number of credits:
- i. \* Is this course repeatable for additional credit?  Yes  No
- If YES: Maximum number of credit hours:
- If YES: Will this course allow multiple registrations during the same semester?  Yes  No

## j. \* Course Description for Bulletin:

Intensive study in a unique aspect of animal agriculture not covered in other courses currently offered. May be repeated under a different subtitle two times to a maximum of 8 credits.

## k. Prerequisites, if any:

Specified by instructor for each offering

l. Supplementary teaching component, if any:  Community-Based Experience  Service Learning  Both3. \* Will this course be taught off campus?  Yes  No

If YES, enter the off campus address:

## 4. Frequency of Course Offering.

a. \* Course will be offered (check all that apply):  Fall  Spring  Summer  Winter

b. \* Will the course be offered every year?  Yes  No

If No, explain: Course will be offered as dictated by faculty interest

5. \* Are facilities and personnel necessary for the proposed new course available?  Yes  No

If No, explain:

## 6. \* What enrollment (per section per semester) may reasonably be expected? 20

## 7. Anticipated Student Demand.

a. \* Will this course serve students primarily within the degree program?  Yes  No

b. \* Will it be of interest to a significant number of students outside the degree pgm?  Yes  No

If YES, explain:

## 8. \* Check the category most applicable to this course:

Traditional – Offered in Corresponding Departments at Universities Elsewhere

Relatively New – Now Being Widely Established

Not Yet Found in Many (or Any) Other Universities

## 9. Course Relationship to Program(s).

a. \* Is this course part of a proposed new program?  Yes  No

If YES, name the proposed new program:

b. \* Will this course be a new requirement <sup>§</sup> for ANY program?  Yes  No

If YES <sup>§</sup>, list affected programs:

## 10. Information to be Placed on Syllabus.

a. \* is the course 400G or 500?  Yes  No

If YES, the *differentiation for undergraduate and graduate students must be included* in the information required in 10.b. You must include: (i) identify additional assignments by the graduate students; and/or (ii) establishment of different grading criteria in the course for graduate students. (See SR

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

<sup>§</sup> Courses are typically made effective for the semester following approval. No course will be made effective until all approvals are received.  
<sup>§</sup> The chair of the cross-listing department must sign off on the Signature Routing Log.

- In general, undergraduate courses are developed on the principle that one semester hour of credit represents one hour of classroom meeting per week for a semester, exclusive of any laboratory meeting. Laboratory meeting, generally, require two hours per week for a semester for one credit hour. (from SR 5.2.1)
- You must also submit the Distance Learning Form in order for the proposed course to be considered for DL delivery.
- In order to change a program, a program change form must also be submitted.

Rev 8/09

Submit as New Proposal    Save Current Changes

# APPLICATION FOR NEW COURSE

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- b. Department/Division: Animal and Food Sciences
- c. Contact person name: William Silvia Email: wsilvia@uky.edu Phone: 7-7545
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- f. Identify a grading system:  Letter (A, B, C, etc.)  Pass/Fail
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- k. Will this course also be offered through Distance Learning? YES<sup>4</sup>  NO
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<sup>4</sup> You must also submit the Distance Learning Form in order for the proposed course to be considered for DL delivery.



## APPLICATION FOR NEW COURSE

3. Will this course be taught off campus? YES  NO

4. Frequency of Course Offering.

a. Course will be offered (check all that apply):  Fall  Spring  Summer

b. Will the course be offered every year? YES  NO

If NO, explain: \_\_\_\_\_ course will be offered as dictated by faculty interest

5. Are facilities and personnel necessary for the proposed new course available? YES  NO

If NO, explain: \_\_\_\_\_

6. What enrollment (per section per semester) may reasonably be expected? 20

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If YES, explain: \_\_\_\_\_

8. Check the category most applicable to this course:

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Not Yet Found in Many (or Any) Other Universities

9. Course Relationship to Program(s).

a. Is this course part of a proposed new program? YES  NO

If YES, name the proposed new program: \_\_\_\_\_

b. Will this course be a new requirement<sup>5</sup> for ANY program? YES  NO

If YES<sup>5</sup>, list affected programs: \_\_\_\_\_

10. Information to be Placed on Syllabus.

a. Is the course 400G or 500? YES  NO

If YES, the *differentiation for undergraduate and graduate students must be included* in the information required in **10.b**. You must include: (i) identification of additional assignments by the graduate students; and/or (ii) establishment of different grading criteria in the course for graduate students. (See SR 3.1.4.)

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.

<sup>5</sup> In order to change a program, a program change form must also be submitted.

# APPLICATION FOR NEW COURSE

## Signature Routing Log

**General Information:**

Course Prefix and Number:    ASC 333

Proposal Contact Person Name:    William Silvia                      Phone: 7-7545                      Email: wsilvia@uky.edu

**INSTRUCTIONS:**

Identify the groups or individuals reviewing the proposal; note the date of approval; offer a contact person for each entry; and obtain signature of person authorized to report approval.

**Internal College Approvals and Course Cross-listing Approvals:**

Reviewing Group	Date Approved	Contact Person (name/phone/email)	Signature
		/      /	
		/      /	
		/      /	
		/      /	
		/      /	

**External-to-College Approvals:**

Council	Date Approved	Signature	Approval of Revision <sup>6</sup>
Undergraduate Council			
Graduate Council			
Health Care Colleges Council			
Senate Council Approval		University Senate Approval	

Comments:

<sup>6</sup> Councils use this space to indicate approval of revisions made subsequent to that council's approval, if deemed necessary by the revising council.

**SAMPLE SYLLABUS**

**Instructor:** William J. Silvia  
**Phone:** 257-7545

**Office:** 409 W.P. Garrigus Bldg  
**Email:** [wsilvia@uky.edu](mailto: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:**

2 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  
 D = 60-69.9

B = 80-89.9  
 E = less than 60

C = 70-79.9

**Mid-term grades** will be posted in myUK by the deadline established in the Academic Calendar (<http://www.uky.edu/Registrar/AcademicCalendar.htm>)

### **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 Term 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](mailto: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. 10	Introduction	Lecture: phylogenetics
Jan. 15, 17	Comparative Nutrition, Reproduction, Genetics, Behavior	Comparative skeletal anatomy 1
Jan. 22, 24	Comparative Nutrition, Reproduction, Genetics, Behavior	Comparative skeletal anatomy 2
Jan. 29, 31	Comparative Nutrition, Reproduction, Genetics, Behavior	Field Trip: KY Fish and Wildlife, Salato, KY: Comparative anatomy wildlife dissection/necropsy
Feb. 5, 7	Comparative Nutrition, Reproduction, Genetics, Behavior	Comparative anatomy wildlife dissection/necropsy
Feb. 12, 14	Managing wildlife in the wild	Field trip: Corbett Farm
Feb. 19, 21	Managing wildlife in the wild	Field trip: Primate Rescue Center, Nicholasville, KY
Feb. 26, 28	Exam 1	Field trip: KY Bison Co, Goshen, KY
Mar. 5, 7	Managing wildlife in captivity, production	Field trip: KY Fish and Wildlife, Salato, KY
Mar. 19, 21	Managing wildlife in captivity, production	Field trip: Louisville Zoo
Mar. 26, 28	Managing wildlife in captivity, conservation	Field trip: Cincinnati Zoo
April 2, 4	Managing wildlife in captivity, conservation	Term Project example: De Wildt Cheetah and Wildlife Center
April 9, 11	Managing wildlife in captivity, zoos	Managing wildlife in captivity, zoos
April 16, 18	Term Project presentation	Term Project presentations
April 23, 25	Term Project presentation	Term Project presentations

Final Exam: Tuesday, April 30, 10:30 AM

**SYLLABUS**

**Instructor:** William J. Silvia  
**Phone:** 257-7545

**Office:** 409 W.P. Garrigus Bldg  
**Email:** [wsilvia@uky.edu](mailto: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 11:00-11:50 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:**

8 Lab Worksheets	100 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  
D = 60-69.9

B = 80-89.9  
E = less than 60

C = 70-79.9



**Mid-term grades** will be posted in myUK by the deadline established in the Academic Calendar (<http://www.uky.edu/Registrar/AcademicCalendar.htm>)

### **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. (12.5 pts each)

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 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 Term Project** is a comprehensive evaluation of a wildlife management program/operation. The objectives of the operation/program need to be clearly identified. A 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, ask questions and engage in the **discussion** of each. The participation grade will be assigned based on the level and thoughtfulness of discussion throughout the semester.

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 term projects. If cancelled, total points will be reduced to 425 for calculation of grades. 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. Term projects can be submitted in electronic form by email to the instructor.

Students are expected to attend class. Laboratory sessions cannot be made up. In cases of excused absence, students will be allowed to discuss the activity with other students who attended and complete the worksheet based on that discussion or the student may be exempted from that assignment as deemed appropriate by 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.

All assignments are to be completed by students as individuals, not as groups.

**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](mailto: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. 10	Introduction	Lecture: phylogenetics
Jan. 15, 17	Comparative Nutrition, Reproduction, Genetics, Behavior	Comparative skeletal anatomy 1
Jan. 22, 24	Comparative Nutrition, Reproduction, Genetics, Behavior	Comparative skeletal anatomy 2
Jan. 29, 31	Comparative Nutrition, Reproduction, Genetics, Behavior	Comparative skeletal anatomy 3
Feb. 5, 7	Comparative Nutrition, Reproduction, Genetics, Behavior	Comparative skeletal anatomy 4
Feb. 12, 14	Managing wildlife in the wild	Comparative anatomy wildlife dissection/necropsy 1
Feb. 19, 21	Managing wildlife in the wild	Comparative anatomy wildlife dissection/necropsy 2
Feb. 26, 28	Exam 1	Comparative anatomy wildlife dissection/necropsy 3
Mar. 5, 7	Managing wildlife in captivity, production	Comparative anatomy wildlife dissection/necropsy 4
Mar. 19, 21	Managing wildlife in captivity, production	Term Project example: De Wildt Cheetah and Wildlife Center
Mar. 26, 28	Managing wildlife in captivity, conservation	Managing wildlife in captivity, conservation
April 2, 4	Managing wildlife in captivity, zoos	Managing wildlife in captivity, zoos
April 9, 11	Managing wildlife in captivity, ethics	Term Project presentations
April 16, 18	Term Project presentation	Term Project presentations
April 23, 25	Term Project presentation	Term Project presentations

Final Exam: Tuesday, April 30, 10:30 AM

### **Procedure for Establishing a Section of ASC 333**

The instructor will submit the proposed syllabus, including proposed credit hours to the Director of undergraduate studies (DUS) for Animal Science one year prior to the start of the semester in which the course is to be taught. This is to ensure that sufficient time is given for the course to be included in the bulletin for registration.

The DUS will review the syllabus to determine:

- if there is sufficient student interest or other justification to warrant the offering
- if the proposed course activities comply with university and college guidelines
- if the demands on the students are consistent with the number of credit hours to be awarded
- if course fees should be charged

The DUS may accept the proposed course, request clarification or modifications or reject the proposed course.