

**1. General Information**

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

Date Submitted: 4/17/2015

1b. Department/Division: Forestry

1c. Contact Person

Name: Laura R. Lhotka

Email: laura.lhotka@uky.edu

Phone: 859-257-8718

Responsible Faculty ID (if different from Contact)

Name: Michael Lacki

Email: mlacki@uky.edu

Phone: 859-257-8571

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: FOR 520

2c. Full Title: Mammals of the Eastern United States

2d. Transcript Title: Mammals of the Eastern United States

2e. Cross-listing: none

2f. Meeting Patterns

LECTURE: 3

LABORATORY: 3

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

2h. Number of credit hours: 4

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?

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SENATE COUNCIL

2j. **Course Description for Bulletin:** Covers the evolution, taxonomy, biogeography, biology, and natural history of mammals, emphasizing North American fauna. All mammalian orders extant (and extinct) in North America will receive coverage, emphasizing major morphological differences among groups, and physiological and behavioral adaptations to North American climates and ecosystems. Lecture discussions will cover major physiological systems (digestive, excretory, reproductive, etc.), energetics, diet and nutrition, reproductive patterns, and anatomical differences unique to each taxonomic order. Laboratory exercises will stress identification of extant mammals occurring in eastern North America, with a heavy emphasis on species occurring in Kentucky and adjacent states.

2k. **Prerequisites, if any:** Entry level courses in biology (BIO 148 or equivalent), field ecology (FOR 340 or equivalent), and wildlife management (FOR 370 or equivalent) or 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:** Fall,

**Will the course be offered every year?:** No

If No, explain: The course will be offered every other year.

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?:** 15

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: This course fulfills part of the requirements for the proposed Wildlife Biology and Management Minor. Students completing this minor may be interested in this course. The course may also be of interest to graduate students in the College of Agriculture, Food and Environment and College of Arts and Sciences.

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?:** Yes

If YES, name the proposed new program: Wildlife Biology and Management Minor

b. **Will this course be a new requirement for ANY program?:** Yes

If YES, list affected programs: Wildlife Biology and Management Minor

10. **Information to be Placed on Syllabus.**

a. Is the course 400G or 500?: Yes

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|TTBA225|Terrell T Baker|FOR 520 NEW Dept Review|20150302

SIGNATURE|LGRABAU|Larry J Grabau|FOR 520 NEW College Review|20150716

SIGNATURE|JMETT2|Joanie Ett-Mims|FOR 520 NEW Undergrad Council Review|20160408

SIGNATURE|ZNNIKO0|Roshan N Nikou|FOR 520 NEW Graduate Council Review|20160512

## New Course Form

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

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

Generate F

## Attachments:

[Browse...](#)

Upload File

	ID	Attachment
Delete	5244	FOR 520 UGC Review Checklist.docx
Delete	6396	FOR520Syllabus030316.pdf

[First](#) [1](#) [Last](#)

(\*denotes required fields)

## 1. General Information

- a. \* Submitted by the College of:  Submission Date: 4/17/2015
- 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>4</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="text" value="3"/> Lecture | <input type="text" value="3"/> Laboratory <sup>1</sup> | <input type="text"/> Recitation | <input type="text"/> Discussion |
| <input type="text"/> Indep. Study      | <input type="text"/> Clinical                          | <input type="text"/> Colloquium | <input type="text"/> Practicum  |
| <input type="text"/> Research          | <input type="text"/> Residency                         | <input type="text"/> Seminar    | <input type="text"/> Studio     |
| <input type="text"/> Other             | If Other, Please explain:                              |                                 |                                 |
- 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:

Covers the evolution, taxonomy, biogeography, biology, and natural history of mammals, emphasizing North American fauna. All mammalian orders extant (and extinct) in North America will receive coverage, emphasizing major morphological differences among groups, and physiological and behavioral adaptations to North American climates and ecosystems. Lecture discussions will cover major physiological systems (digestive, excretory, reproductive, etc.), energetics, diet and nutrition, reproductive patterns, and anatomical differences unique to each taxonomic order. Laboratory exercises will stress identification of extant mammals occurring in eastern North America, with a heavy emphasis on species occurring in Kentucky and adjacent states.

## k. Prerequisites, if any:

Entry level courses in biology (BIO 148 or equivalent), field ecology (FOR 340 or equivalent), and wildlife management (FOR 370 or equivalent) or consent of instructor.

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: The course will be offered every other year.

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? 15

## 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:

This course fulfills part of the requirements for the proposed Wildlife Biology and Management Minor. Students completing this minor may be interested in this course. The course may also be of interest to graduate students

## 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:

Wildlife Biology and Management Minor

b. \* Will this course be a new requirement<sup>5</sup> for ANY program?  Yes  No

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

Wildlife Biology and Management Minor

## 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) Ident 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 apply 10.a above) are attached.

<sup>5</sup> Courses are typically made effective for the semester following approval. No course will be made effective until all approvals are received.

<sup>6</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, is two hours per week for a semester for one credit hour. (from SR 3.2.1)

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

**General Course Information**

- Full and accurate title of the course
- Departmental and college prefix
- Course prefix, number and section number
- Scheduled meeting day(s), time and place

**Instructor Contact Information** (if specific details are unknown, "TBA" is acceptable for one or more fields)

- Instructor name
- Contact information for teaching/graduate assistant, etc.
- Preferred method for reaching instructor
- Office phone number
- Office address
- UK email address
- Times of regularly scheduled office hours and if prior appointment is required

**Course Description**

- Reasonably detailed overview of the course (course description should match on syllabus and eCATS form)
- Prerequisites, if any (should match on syllabus and eCATS form)
- Student learning outcomes
- Course goals/objectives
- Required materials (textbook, lab materials, etc.)
- Outline of the content, which must conform to the Bulletin description
- Summary description of the components that contribute to the determination of course grade
- Tentative course schedule that clarifies topics, specifies assignment due dates, examination date(s)
- Final examination information: date, time, duration and location
- For 100-, 200-, 300-, 400-, 400G- and 500-level courses, numerical grading scale and relationship to letter grades for undergraduate students
- For 400G-, 500-, 600- and 700-level courses, numerical grading scale and relationship to letter grades for graduate students. (Graduate students cannot receive a "D" grade.)
- Relative value given to each activity in the calculation of course grades (Midterm=30%; Term Project=20%, etc.)
- Note that undergraduate students will be provided with a Midterm Evaluation (by the midterm date) of course performance based on criteria in syllabus
- Policy on academic accommodations due to disability. Standard language is below:  
 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.

**Course Policies**

- Attendance
- Excused absences
- Make-up opportunities
- Verification of absences
- Submission of assignments
- Academic integrity, cheating & plagiarism
- Classroom behavior, decorum and civility
- Professional preparations
- Group work & student collaboration

UGE Review (      ) Add make-up policy for students with excused absences
Committee Review (      ) Comments



**Mammals of the Eastern United States – FOR 520-001**  
**4 credit hours**  
Fall Semester 2017

**Instructor:**

Dr. Michael Lacki  
207 Thomas Poe Cooper Building  
cell: 859-533-5661  
[mlacki@uky.edu](mailto:mlacki@uky.edu)

**Office Hours:**

By appointment.

**Class Times and Rooms:**

Lecture – MWF 10:00 – 10:50 am; 212 TPC  
Lab – F 2:00 – 4:50 pm; 212 TPC (or 122 TPC as announced)

**Texts:**

Lecture:

Vaughan, T.A., J.M. Ryan and N.J. Czaplewski. 2015. Mammalogy. 6<sup>th</sup> edition. Jones & Bartlett Learning, Burlington, MA. 755 pp.

Lab:

Reid, F. 2006. Peterson field guide to mammals of North America. 4<sup>th</sup> edition. Houghton Mifflin Harcourt, New York, NY. 608 pp.

**Course Description from Course Bulletin:**

Covers the evolution, taxonomy, biogeography, biology, and natural history of mammals, emphasizing North American fauna. All mammalian orders extant (and extinct) in North America will receive coverage, emphasizing major morphological differences among groups, and physiological and behavioral adaptations to North American climates and ecosystems. Lecture discussions will cover major physiological systems (digestive, excretory, reproductive, etc.), energetics, diet and nutrition, reproductive patterns, and anatomical differences unique to each taxonomic order. Laboratory exercises will stress identification of extant mammals occurring in eastern North America, with a heavy emphasis on species occurring in Kentucky and adjacent states.

**Course Objectives:**

This course will cover the evolution, taxonomy, biogeography, biology, and natural history of mammals, emphasizing eastern North American fauna. All mammalian orders extant (and extinct) in North America will receive coverage, emphasizing major morphological differences among groups, and physiological and behavioral adaptations to North American climates and ecosystems. Lecture discussions will cover major

physiological systems (digestive, excretory, reproductive, etc.), energetics, diet and nutrition, reproductive patterns, and anatomical differences unique to each taxonomic order. Laboratory exercises will stress identification of extant mammals occurring in eastern North America, with a heavy emphasis on species occurring in Kentucky and adjacent states. Natural history of local mammal groupings will be covered through power point presentations developed and presented by graduate students enrolled in the course.

**Student Learning Outcomes:**

After completing this course, the student will be able to:

1. Organize and categorize the major taxonomic Orders of North American mammals and distinguish how each varies morphologically from the other
2. Compare, evaluate, and explain the natural history of extant mammals living in Kentucky
3. Discuss the evolutionary history of mammals and evaluate how these concepts explain the historic and current distribution of mammals inhabiting the North American continent

**Prerequisites:**

Entry level courses in biology (BIO 148 or equivalent), field ecology (FOR 340 or equivalent), and wildlife management (FOR 370 or equivalent) or consent of instructor.

**Course Requirements:**

Grades for all students will be comprised of 2 lecture exams and 2 laboratory exams.

Lecture Exams

Exams in lecture will be closed book and comprised of a variety of questions including: multiple choice, true or false, fill in the blanks, definitions, short answers, and diagrams.

Lab Exams

Lab exams will be closed book and will center on the identification, classification, taxonomy, and natural history of regional mammal species. Specimens will be arranged on tables and students will move from station to station and answer a series of 3-4 short answer questions at each station.

Graduate Student Assignment

Graduate students enrolled in the course will also be required to deliver an hour-long power point presentation on an assigned taxonomic grouping during a laboratory exercise. Graduate student power point presentations will be graded based on delivery, content, and clarity of slide materials developed.

### **Course Assignments - Undergraduate Students**

Lecture Exam 1 – 100 points  
Lecture Exam 2 – 100 points  
Lab Exam 1 – 100 points  
Lab Exam 2 – 150 points

### **Course Assignments - Graduate Students**

Lecture Exam 1 – 100 points  
Lecture Exam 2 – 100 points  
Lab Exam 1 – 100 points  
Lab Exam 2 – 150 points  
Power Point Lab Presentation – 100 points

### **Grading Differentiation for Undergraduate and Graduate Students:**

Undergraduate and graduate students will take the same tests but will be graded separately, with a curve applied to undergraduate student scores (if needed) based on the range of outcomes for undergraduates only. Graduate student test scores will be assigned as achieved without any curves or adjustments.

Graduate student power point presentations will be graded based on delivery, content, and clarity of slide materials developed.

### **Grading Scale for Undergraduate Students:**

A      $\geq$  405 points  
B      $\geq$  360 to 404 points  
C      $\geq$  315 to 359 points  
D      $\geq$  270 to 314 points  
E     ( $\leq$  269 points)

### **Grading Scale for Graduate Students:**

A      $\geq$  495 points  
B      $\geq$  440 to 494 points  
C      $\geq$  385 to 439 points  
E      $\leq$  384 points

### **Mid-term Grade (for undergraduates)**

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

**Attendance Policy:**

*Attendance at all lecture and laboratory exercises is mandatory.* Roll will be called at the start of every lecture and laboratory exercise. Students absent or late will be recorded as absent, with each pair of unexcused absences resulting in the loss of 10 % from the subsequent lecture or lab exam test score, respectively; i.e., 2 absences means a maximum score of 90% is possible with a perfect exam performance. Graduate students not prepared when their power point assignment is due for presentation will receive a 0% for that grade.

**Excused Absences**

Students need to notify the professor of absences prior to class when possible. Senate Rules 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. Two weeks prior to the absence is reasonable, but should not be given any later. Information regarding major religious holidays may be obtained through the Ombud (859-257-3737, [http://www.uky.edu/Ombud/ForStudents\\_ExcusedAbsences.php](http://www.uky.edu/Ombud/ForStudents_ExcusedAbsences.php)).

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

Per Senate Rule 5.2.4.2, students missing any graded work due to an excused absence are responsible: for informing the Instructor of Record about their excused absence within one week following the period of the excused absence (except where prior notification is required); and for making up the missed work. The professor must give the student an opportunity to make up the work and/or the exams missed due to an excused absence, and shall do so, if feasible, during the semester in which the absence occurred.

**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 when feasible and in no case more than one week after 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.

Senate Rules 6.3.1 (see <http://www.uky.edu/Faculty/Senate/> for the current set of Senate Rules) 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 a question of plagiarism involving their 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 content from another source without appropriate acknowledgment of the fact, the students are guilty of plagiarism.

Plagiarism includes reproducing someone else's work (including, but not limited to a published article, a book, a website, computer code, or a paper from a friend) without clear attribution. 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 or information, the student must carefully acknowledge exactly what, where and how he/she has 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.

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 (DRC). The DRC coordinates campus disability services available to students with disabilities. It is located on the corner of Rose Street

and Huguelet Drive in the Multidisciplinary Science Building, Suite 407. You can reach them via phone at (859) 257-2754 and via email at [drc@uky.edu](mailto:drc@uky.edu). Their web address is <http://www.uky.edu/StudentAffairs/DisabilityResourceCenter/>.

### **Emergency Situations**

If an emergency arises in this classroom, building or vicinity, your instructor will advise you of actions to follow to enhance your safety. If a situation requires emergency shelter (i.e., during a severe weather event), the nearest shelter location is the basement. If building evacuation occurs (i.e., fire alarm), follow posted evacuation routes and assemble on the sidewalk outside the front of the building so the instructor can help ensure their students have evacuated the building safely and they are not hindering emergency personnel access to the building. If you may require assistance during an emergency, notify the instructor at the beginning of the semester. In order to prepare for emergencies while on campus please continue to the below links for detailed emergency response guidelines: the UK Division of Crisis Management & Preparedness website (<http://www.uky.edu/EM/emergency-response-guide.html>) and the College of Agriculture, Food and Environment (<http://www.ca.uky.edu/>). To receive emergency messages, sign up for UK Alert (<http://www.uky.edu/EM/UKAlert>). Always turn cellular phones to silent mode when entering the classroom. If you observe or receive an emergency alert, immediately and calmly inform your instructor.

## **FOR 520 Course Schedule**

**Week 1 – Defining mammals; early evolution; zoogeography in North America**  
(Chapters 1, 3 & 25: pages 3-59; 572-598)

Lab: Regional physiography and overview of habitats available to extant mammals

**Week 2 – Mammalian phylogeny and classification; Order (Monotremata)**  
(Chapters 4 & 5: pages 60-78)

Lab: Identification of skulls and variation in skeletal anatomy of mammals

**Week 3 – Mammal reproduction; differentiation of Metatheria and Eutheria**  
(Chapters 7 & 20: pages 105-110; 371-404)

Lab: Necropsy and examination of mammalian reproductive systems

**Week 4 – Order (Didelphimorphia)**  
(Chapter 6: pages 79-104)

Lab: Identification and natural history of opossums and allies

**Week 5 – Orders (Erinaceomorpha and Soricomorpha)**  
(Chapter 14: pages 231-243)

Lab: Identification and natural history of moles and shrews

**Week 6 – Orders (Dermoptera, Scandentia and Chiroptera)**  
(Chapters 11, 15 & 22: pages 153-158; 244-281; 447-472)

Lab: Identification and natural history of bats

**Week 7 – Lecture Exam I; (Order Primates)**  
(Chapter 12: pages 159-186)

Lab: Field trip to the Louisville Zoo to see primate exhibits

**Week 8 – Lab Exam I**

**Week 9 – Order (Carnivora)**  
(Chapter 16: pages 282-309)

Lab: Identification and natural history of canids, felids, bears, and mustelids

**Week 10 – Orders (Rodentia and Lagomorpha)**  
(Chapter 13: pages 187-230)

Lab: Identification and natural history of rabbits and rodents (part I)

**Week 11 – Orders (Paenungulata & Perissodactyla)**  
(Chapters 9 & 17: pages 123-138; 310-324)

Lab: Identification and natural history of rabbits and rodents (part II)

**Week 12 – Ecology and behavior of modern North American mammals**  
(Chapters 23 & 24: pages 475-571)

Lab: Techniques for preparation and storage of museum specimens

**Week 13 – Orders (Artiodactyla & Cetacea)**  
(Chapters 18 & 19: pages 325-368)

Lab: Identification and natural history of hoofed animals

**Week 14 – Mammalian physiology**  
(Chapter 21: pages 405-446)

Lab: Open lab in preparation for the lab final

**Week 15 – Lab Exam II**

**Final Exam Week – Lecture Exam II**