



**FWMT 1070 MAMMALOGY  
COURSE SYLLABUS  
FALL SEMESTER 2015  
Lecture/Lab/Web Enhanced**

**Semester:** Fall 2015  
**Course Title:** Mammalogy  
**Course Number:** FWMT 1070  
**Credit Hours/ Minutes:** 3 / 3750  
**Class Location:** Room # 6110  
**Class Meets:** MT 2:00-4:05 p.m.  
**CRN:** 20045

**Instructor:** Jill Lehman  
**Office Hours:** 11:00-12:00 Daily  
**Office Location:** Bldg. 6 Swainsboro Campus  
**Email Address:** jlehman@southeasterntech.edu  
**Phone:** 478-289-2303  
**Fax Number:** 478-289-2328  
**Tutoring Hours:** As needed

**REQUIRED TEXT:** Ramblings of a Low country Game Warden ISBN # 978-1-57003-881-5 Adventures in Green and Grey; Hethcox. Field Manual of Wildlife Diseases in the Southeastern U.S. 3<sup>rd</sup> edition, Davidson National Audubon Society Field Guide to Mammals ISBN 0-679-44631-1

**REQUIRED SUPPLIES & SOFTWARE:** Pencils, paper, highlighter, field manual, boots

**COURSE DESCRIPTION:** This course covers the taxonomy, biology, ecology, and management of game and non-game mammals. Topics include identification, biology and ecology, behavior, collection of age, sex, and reproduction data, and management. Upon completion, students should be able to identify mammal species and demonstrate knowledge of their biology, ecology, and management.

**MAJOR COURSE COMPETENCIES:** Topics include identification, biology and ecology, behavior, collection of age, sex, and reproduction data, and management.

**PREREQUISITE(S):** Provisional admission

**COURSE OUTLINE:**

1. Taxonomy and Identification
2. Biogeography
3. Integument, Support, and Movement
4. Modes of Feeding
5. Adaptations to the Environment
6. Control Systems and Biological Rhythms
7. Reproduction
8. Populations
9. Life History and Management

**GENERAL EDUCATION CORE COMPETENCIES:** STC has identified the following general education core competencies that graduates will attain:

1. The ability to utilize standard written English.
2. The ability to solve practical mathematical problems.
3. The ability to read, analyze, and interpret information.
4. The ability to utilize basic computer skills.

All students pursuing a degree, a diploma, or a Technical Certificate of Credit with a General Education component will be required to pass the General Education Competency Exams prior to graduation.

**STUDENT REQUIREMENTS:** Students are expected to complete all work. Students are also expected to complete all tests and assignments on the dates specified. Students are responsible for policies and procedures

included in the *STC Catalog*. **Fish and Wildlife Management program students must earn a minimum grade of C in this course.**

**STC ATTENDANCE POLICY:** It is essential that educational programs maintain requirements and standards necessary for successful employment of its graduates in business and industry. In view of the intensive nature of the educational programs, it is necessary for every student to be present and on time every day for all classes.

Attendance is counted from the first scheduled class meeting of each semester. To receive credit for a course a student must attend at least 90% of the scheduled instructional time. All work missed due to tardiness or absences must be made up at the convenience of the instructor. Any student attending less than the required scheduled instructional time as noted on each syllabus will receive a "W" for the course if removed from the course on or before midterm. After the semester midterm, any student who has maintained a passing grade within a course will receive a 'WP' for the course when attending less than the required scheduled instructional time as stated on each course syllabus. If, however, the student has not maintained a passing grade, he or she will receive a 'WF' for the course. Tardy means arriving after the scheduled time for instruction to begin. Early departure means leaving before the end of the scheduled time. Three (3) tardies or early departures equal one (1) absence for the course involved.

**TRADITIONAL ATTENDANCE ADDENDUM:** for this class, which meets two (2) days a week for 15 weeks, the maximum number of days a student may miss during the semester is four (4). In addition, three (3) tardies or early departures equal one (1) absence. Tardy means arriving after the scheduled time for instruction to begin. Early departure means leaving before the end of the scheduled time for instruction to end.

**SPECIFIC ABSENCES:** Provisions for Instructional Time missed because of documented absences due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

**SPECIAL NEEDS:** *Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact Jan Brantley, Room 1208 Swainsboro Campus, 478-289-2274, or Helen Thomas, Room 108 Vidalia Campus, 912-538-3126, to coordinate reasonable accommodations.*

#### **PREGNANCY**

Southeastern Technical College does not discriminate on the basis of pregnancy. However, we can offer accommodations to students who are pregnant that need special consideration to successfully complete the course. If you think you will need accommodations due to pregnancy, please advise me and make appropriate arrangements with the Special Needs Office. Swainsboro Campus: Jan Brantley (478) 289-2274 -- Vidalia Campus: Helen Thomas Room 108 (912) 538-3126.

**MAKEUP GUIDELINES (Tests, quizzes, homework, projects, etc...):** If a student misses a test, a grade of zero will be assigned. Only students with extenuating circumstances (who contact the instructor on the day of the test regarding their absence) will be allowed to take a makeup test, which will replace the zero. Extenuating circumstances are determined at the instructor's discretion. Unless otherwise scheduled with the instructor, it is expected that the test will be taken the next day, scheduled outside of regular class time. Failure to follow this procedure will result in a grade of zero.

Students are expected to have the assignment completed at the beginning of class on the date that it is due. It is within the instructor's discretion to accept or reject late assignments. Any late assignments accepted will be subject to a ten-point penalty each day the assignment is late. After three class meetings, no late assignments will be accepted; a zero will be recorded.

Unannounced quizzes are subject to be given on any day. A grade of zero will be assigned for any quizzes missed. There will be no makeup of quizzes. Any zeros recorded will be included in the final score calculation.

**ACADEMIC DISHONESTY POLICY:** The STC Academic Dishonesty Policy states All forms of academic dishonesty, including but not limited to cheating on tests, plagiarism, collusion, and falsification of information, will call for discipline. The policy can also be found in the STC Catalog and Student Handbook

**Procedure for Academic Misconduct**

The procedure for dealing with academic misconduct and dishonesty is as follows:

**--First Offense--**

Student will be assigned a grade of "0" for the test or assignment. Instructor keeps a record in course/program files and notes as first offense. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus. The Registrar will input the incident into Banner for tracking purposes.

**--Second Offense--**

Student is given a grade of "WF" for the course in which offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of second offense. The Registrar will input the incident into Banner for tracking purposes.

**--Third Offense--**

Student is given a grade of "WF" for the course in which the offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of second offense. The Vice President for Student Affairs, or designee, will notify the student of suspension from college for a specified period of time. The Registrar will input the incident into Banner for tracking purposes.

**STATEMENT OF NON-DISCRIMINATION:** Southeastern Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, disabled veteran, veteran of Vietnam Era or citizenship status, (except in those special circumstances permitted or mandated by law). This school is in compliance with Title VI of the Civil Rights Act of 1964, which prohibits discrimination on the basis of race, color, or national origin; with the provisions of Title IX of the Educational Amendments of 1972, which prohibits discrimination on the basis of gender; with the provisions of Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination on the basis of handicap; and with the American with Disabilities Act (ADA).

**GRIEVANCE PROCEDURES:** Grievance procedures can be found in the Catalog and Handbook located on STC's website.

**ACCESS TO TECHNOLOGY:** Students can now access Angel, Remote Lab Access, Student Email, Library Databases (Galileo), and BannerWeb via the mySTC portal or by clicking the Current Students link on the STC website at [www.southeasterntech.edu](http://www.southeasterntech.edu).

**GRADING POLICY**

Tests	30%
Lab	30%
Quizzes/Class Assignments	20%
Final Exam	20%
Total	<u>100%</u>

**GRADING SCALE**

A	(90% - 100%)
B	(80% - 89%)
C	(70% - 79%)
D	(60% - 69%)
F	BELOW 60

**TCSG**

**GUARANTEE/WARRANTY STATEMENT:** The Technical College System of Georgia guarantees employers that graduates of State Technical Colleges shall possess skills and knowledge as prescribed by State Curriculum Standards. Should any graduate employee within two years of graduation be deemed lacking in said skills, that student shall be retrained in any State Technical College at no charge for instructional costs to either the student or the employer.

**FWMT 1070 Mammalogy  
Fall SEMESTER 2015  
LESSON PLAN**

<b>Date</b>	<b>Chap / Less</b>	<b>Content</b>	<b>Assignments &amp; Tests Due</b>	<b>Comp Area</b>
<b>Week 1</b>				
8/17/15 8/18/15	Course Introduction  Taxonomic classification of mammals/scientific naming system	Syllabus, Policies/Procedures for lab Common mammals of N.A.	Review PPTs and handouts Individual assignments	*1 **a,b,c,d
<b>Week 2</b>				
8/24/15 8/25/15	Identification of Mammals	Skulls, tracks, pelts, scat	Review PPTs and handouts Quiz covering taxonomic classification	*1 **a,c,d
<b>Week 3</b>				
8/31/15 9/1/15	Ecogeographic rules of mammals	Allen's rule, Bergman's rule, Foster's rule, Gloger's rule, Rapoport's rule, Thorson's rule	Review PPTs and handouts Individual assignments Lab assignments	*1,2 **a,b,c,d
<b>Week 4</b>				
9/7/15 9/14/15	Integument, support, movement	Horns vs. Antlers WTD antler growth and development B&C scoring	Quiz covering rules of mammals Review PPTs and handouts In class assignments In class exercises: B&C	*3 **a,b,c,d
<b>Week 5</b>				
9/15/15 9/21/15 9/22/15	Integument, support, movement	Ageing WTD on the hoof Ageing WTD by tooth wear and replacement Anatomy of mammal skulls. Form and function of mammal skulls	Review PPTs and handouts In class assignments In class exercises: teeth wear, ageing on the hoof Keep/cull exercises Skull I.D.	*3,4 **a,b,c
<b>Week 6</b>				
9/28/15 9/29/15	Integument, support, movement	Locomotion of mammals Structure, function of skin, hair, integumentary glands Locomotion, claws, nails, hooves	Quiz over ageing on the hoof and tooth wear Review PPTs and handouts In class assignments I.D. exercises	*3,4 **a,c,d
<b>Week 7</b>				
10/5/15 10/6/15	Modes of Feeding	Insectivory, herbivory, carnivory, omnivory	Mid-Term exam Review PPTs and handouts In class assignments I.D feeding method exercises	*3,4 **a,c,d
<b>Week 8</b>				
10/12/15 10/13/15	Modes of Feeding	Capturing apparatus/processing of food for different feeding habits	Review PPTs and handouts In class assignments I.D feeding method exercises Describe different feeding habits	*4 **a,c,d
<b>Week 9</b>				

10/19/15 10/20/15	Adaptations of the Environment	Temperature regulation in mammals Cold climate adaptations	Quiz covering Modes of Feeding Review PPTs and handouts In class assignments In class exercises	*5 **a,b,c,d
<b>Week 10</b>				
10/26/15 10/27/15	Adaptations to the Environment	Hot climate adaptations	Review PPTs and handouts In class assignments Discuss temp. variances in class	*2,3,4,5 **a,b,c,d
<b>Week 11</b>				
11/2/15 11/3/15	Control systems and Biological Rhythms	WTD scent glands Endocrine systems of mammals Activity patterns	Quiz covering Adaptations to Environment Review PPTs and handouts In class assignments In class exercises: Explain/discuss phases of WTD rut	*2,3,5,6,7 **a,b,c,d
<b>Week 12</b>				
11/9/15 11/10/15 11/16/15	Reproduction	Mating strategies, gestation, WTD fetal growth	In class exercises: Ageing fetus, explain measuring fetus, determining breeding and parturition dates	*5,6,7 **a,b,c,d
<b>Week 13</b>				
11/17/15 11/23/15	Populations	Birth rate, death rate, life tables, survivorship curves, age structure	Quiz covering fetal ageing, conception, parturition dates. Review PPTs and handouts In class assignments Demonstrate survivorship curves, age structures. Graph birth rates, death rates, life tables	*6,7 **a,b,c,d
<b>Week 14</b>				
11/24/15 11/30/15	Life History/Management	Game mammals of Ga., QDM	Quiz covering populations Review PPTs and handouts In class assignments Debate QDM	*7,8 **a,b,c,d
<b>Week 15</b>				
12/1/15 12/7/15 12/8/15	Life History/Management	Management of squirrels/rabbits Review for final exam Final Exam	Review PPTs and handouts In class assignments	*4,5,6,7,8 **a,b,c,d
<b>FALL SEMESTER ENDS</b>				

**\* Competency Areas:**

1. Taxonomy and Identification
2. Biogeography
3. Integument, Support, Movement
4. Modes of Feeding
5. Adaptations to the Environment
6. Reproduction
7. Populations
8. Life History and Management

**\*\*General Core Educational Competencies**

- a) The ability to utilize standard written English.
  - b) The ability to solve practical mathematical problems.
  - c) The ability to read, analyze, and interpret information.
  - d) The ability to utilize basic computer skills.
- THERE WILL BE A TOTAL OF 45 HOURS OF LAB.
  - LABS ARE WEATHER DEPENDENT. Students are responsible for being prepared for all labs with weather appropriate clothing. Waders or boots are to be worn in labs. Students are encouraged to have a clean, dry set of clothing with them at all times. Clean, dry clothing may be kept in cabinet provided in storage room of FWMT lab.
  - There are a total of 21 power point presentations on Angel. Students are responsible for printing these presentations. It is suggested students print 3 slides per page as handouts. This will accommodate note taking.
  - **LESSON PLAN SUBJECT TO CHANGE AT INSTRUCTOR'S DISCRETION**