MURRAY STATE UNIVERSITY
COURSE SYLLABUS

VETERINARY TECHNOLOGY DEPARTMENT

COURSE NUMBER: AGR 540    CREDIT HOURS: 4

I. TITLE:
Veterinary Surgery & Anesthesia

II. CATALOG DESCRIPTION:
A course filled with clinical principles and procedures for the development of necessary knowledge and skills to prepare the student for the technical aspects of veterinary surgery and anesthesia. Because of the intensity and types of laboratories offered, there will be additional time required outside of the scheduled class time for preparation, development of skills and complete recovery of patients. Outside time will vary depending on particular laboratory.

*To receive graduate credit for this course, a student must be admitted to graduate studies prior to registering for the course.*

III. PURPOSE:
To offer the student adequate instruction, knowledge and development of essentials skills involved in veterinary surgery and anesthesia

IV. COURSE OBJECTIVES:
A. To provide hands-on experience with multiple species of animals.
B. To provide the student with a deeper knowledge of pharmaceuticals, laboratory diagnostics, aseptic surgical instrumentation, patient preparation, surgical procedures, along with anesthetic protocols, procedures and pain management.
C. To provide opportunities for students to utilize essential skills from prerequisite courses
D. To provide the student with essential skills utilized in veterinary surgery
E. To provide the student with essential skills utilized in veterinary anesthesia and pain management.
V. **CONTENT OUTLINE:**
A. Clinical Laboratory Applications
   1. Diagnostic techniques from prerequisite courses
B. Anesthetic Applications
C. Anesthetic and Emergency Equipment
D. Surgical Applications
E. Surgical Nursing
F. Participation in AHT Day

VI. **INSTRUCTIONAL ACTIVITIES:**
A. Lectures
B. Outside Assignments
   1. Participation in AHT Day
   2. Others to be announced
C. Reading Assignments
D. Laboratories
   i. Clinical Laboratory Review
   ii. Surgical Case Preparation
   iii. Patient History and Physical Examination
   iv. Pre-anesthetic laboratory diagnostics
   v. Anesthetic preparation
   vi. Anesthetic and emergency equipment and techniques
   vii. Surgical preparation
   viii. Medical Records

VII. **FIELD AND CLINICAL EXPERIENCES:**
A. Pre-op Physical Examinations
B. Pre-op Diagnostic Screenings
C. Anesthesia Protocols and Procedures
D. Surgical Procedures

VIII. **RESOURCES:**
A. Reference Journals
   1. Journal of American Veterinary Medical Association
   2. Veterinary Medicine
   3. Veterinary Technician
   4. Veterinary Products

IX. **GRADING PROCEDURES:**
Grades will be based on the student’s attendance, participation, knowledge, and ability to perform the given task. Periodic examinations will be administered depending upon the discretion of the instructor. The written final exam will be given as scheduled in the fall schedule booklet. The laboratory final will be administered the last week of scheduled classes for the semester. Quizzes and
laboratory exercises will be given periodically to determine a student’s knowledge.

Grading Scale:
90 - 100 = A
80 - 89 = B
70 - 79 = C
60 - 69 = D
Below 60 = E

X. ATTENDANCE POLICY: MANDATORY
Students missing class will be deducted points that were given for the day. There will be no chance to make them up.

XI. ACADEMIC HONESTY POLICY:
NOTE: The School of Agriculture Faculty have adopted and implemented an Academic Honesty Policy in addition to the University Honesty Policy, which can be found in the current Undergraduate Bulletin and Graduate Bulletin. The policy sets guidelines regarding acts of dishonesty and the procedure to follow should an event occur. It is each Agriculture student’s responsibility to obtain and read a copy of this document. The School’s Academic Honesty Policy can be obtained by asking for a copy from any Agriculture Faculty member or the Secretary.

XII. TEXT AND REFERENCES:
A. McKelvey: Veterinary Anesthesia and Analgesia, 3rd 2003
C. Busch: Small Animal Surgical Nursing. 2005

XIII. PREREQUISITES:
AGR 310, AGR 322, AGR 329, AGR 332 and a grade of “C” or better.

** All material from this list of courses should be reviewed prior to the beginning of class.

XIV. ADDITIONAL REQUIREMENTS:
A. All students are required to have:
   1. Set ceil blue surgical scrubs.
   2. White lab coat.
   5. Note pad for each class.
   6. Printed materials from black board for each lab period unless provided by instructor
   7. Binder for service learning project
XV. **STATEMENT OF AFFIRMATIVE ACTION AND EQUAL OPPORTUNITY:**

*Murray State University does not discriminate on the basis of race, color, national origin, gender, sexual orientation, religion, age, veteran status, or disability in employment, admissions, or the provision of services and provides, upon request, reasonable accommodation including auxiliary aids and services necessary to afford individuals with disabilities equal access to participate in all programs and activities. For more information, contact Sabrina Y. Dial, Director of Equal Opportunity, Murray State University, 103 Wells Hall, Murray, KY 42071-3318. Telephone: 270-809-3155 (voice), 270-809-3361 (TDD).*

XV. **MSU SCHOOL OF AGRICULTURE CELL PHONE POLICY**

The School of Agriculture recognizes that in today’s world cell phones are a familiar and often necessary form of communication for students.

It shall be the policy of the School that no cell phone usage shall be allowed in class and/or labs without the prior consent of the course instructor. This shall include verbal calling, incoming calls, email, text messaging, and use of cell phone calculators on tests and quizzes.

Cell phones must be kept off and out of sight (i.e. secured to a person’s belt or kept in a bag or purse away from desks and lab counters).

Should a student’s cell phone be visible, ring, or other form of unauthorized usage that is interruptive to the class or lab, the student may be asked to leave class and not return for that class/lab period.

Upon prior consent of the instructor, a student may obtain permission to have their phone on in case of an emergency or in critical family situations.

This policy also includes pagers and other electronic equipment such as blackberries and/or computers/laptops.