I. TITLE:

Advanced Veterinary Surgery & Anesthesia

II. COURSE DESCRIPTION:

Clinical principles, practices, and procedures involved in Veterinary Surgery and Anesthesia. There are two 3 hour labs per week.

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

III. PURPOSE:

To provide hands-on opportunities for students to fine-tune their anesthesia, surgical and animal nursing skills.

IV. COURSE OBJECTIVES:

A. To provide hands-on experience with animals as it relates to surgery and anesthesia.
B. To provide the student with a deeper knowledge of pharmaceuticals, assisting in surgery, providing anesthesia and pain management.
C. To provide opportunities for students to fine-tune their skills that they have experienced in AGR 540 (Veterinary Surgery and Anesthesia).

V. CONTENT OUTLINE:

A. Surgery Review
B. Pharmaceutical Review
C. Anesthesia Review
D. Clinical Applications

VI. INSTRUCTIONAL ACTIVITIES:

A. Laboratories
B. Clinical Procedures for surgical and anesthesia cases.
C. Student programs for high school students.
D. Surgical Cases
E. Reading Assignments  
F. Laboratory write-ups

VII. FIELD AND CLINICAL EXPERIENCES:

A. Pre-op 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. GRADUATE LEVEL REQUIREMENTS

X. GRADING PROCEDURE

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 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
XI. ATTENDANCE POLICY:

Please refer to the most current copy of Murray State University’s *Undergraduate and/or Graduate Bulletin.*

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

XII. ACADEMIC HONESTY POLICY

Please refer to the most current copy of Murray State University’s *Undergraduate and/or Graduate Bulletin*.

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.

XIII. TEXT AND REFERENCES:

A. McKelvey: *Veterinary Anesthesia and Analgesia, 3rd* 2003
C. Busch: *Small Animal Surgical Nursing.* 2005

XIV. PREREQUISITES:

AGR 540 with a grade of “C” or above

**All material from AGR 540 should be reviewed prior to the beginning of class.**

A. All students are required to have:
   1. Set ceil blue surgical scrubs.
   2. Lab Coat.
   4. Note pad for each class.
   5. Calculator
All surgery animals are to be taken care of by the surgery group. This will include cleaning, feeding, providing water, animal nursing, and incisions evaluation.

X. NON-DISCRIMINATION POLICY STATEMENT:

Murray State University endorses the intent of all federal and state laws created to prohibit discrimination 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 Director of Equal Opportunity, Murray State University, 103 Wells Hall, Murray, KY 42071-3318. Telephone: 270-809-3155 (voice), 270-809-3361 (TDD).