I. **TITLE:**
Veterinary Laboratory Rotation

II. **CATALOG DESCRIPTION:**

The student will observe and participate in various testing techniques and interpretations as associated with a diagnostic, research or clinical laboratory in the areas of microbiology, clinical pathology and toxicology. Practical experience will be gained and laboratory skills will be applied in a clinical setting.

III. **PURPOSE:**

Laboratory rotation will afford students the opportunity to apply knowledge and theories acquired in previous and current classes to a clinical setting.

IV. **COURSE OBJECTIVES:**

The Animal Health Technology student will observe, assist, or perform laboratory tasks under the supervision of a laboratory technologist and work as a team to evaluate the relationships between disease and various diagnostic test results.

V. **CONTENT OUTLINE:**

*First half semester topics*
- Shipping and packaging of specimens
- Biochemical assays, susceptibility tests, gram stain, & cultures of gram-positive and gram-negative organisms
- Culture of anaerobes and yeasts
- Inventory

*Second half semester topics*
- Toxicology case studies
- Clinical pathology case studies
- Research case studies
- Bone marrow evaluation
- Visits to local clinics, research laboratories, and Breathitt Diagnostic laboratory
VI. **INSTRUCTIONAL ACTIVITIES:**
- For the first half of the semester, students will meet in the laboratory on campus to learn special diagnostic skills.
- During the second half of the semester, students will visit local veterinary clinics, research laboratories, and diagnostic laboratories in order to observe various tests as well as meeting in the laboratory to review case studies as a team and performing special diagnostic skills.

VII. **FIELD AND CLINICAL EXPERIENCES:**
Most laboratories will meet on campus with at least two days of visiting local and area clinics and laboratories. Students will be responsible for their own transportation to the off-campus areas. Times and places will be announced in class.

VIII. **RESOURCES:**
- Breathitt Veterinary Center, local veterinary clinics and research laboratories.

IX. **GRADING PROCEDURES:**
A pass/fail grade will be given based upon the completion of the course objectives and attendance.

X. **ATTENDANCE POLICY:**
Please refer to the most current copy of the *Murray State University’s Undergraduate Bulletin and Graduate Bulletin.*

Attendance is required for a passing grade. No more than one day may be missed during the first half of the semester and one day during the second half of the semester (whether excused or unexcused) for a passing grade. Individual absences will be handled on a case-by-case basis in extenuating circumstances.

XI. **ACADEMIC HONESTY POLICY:**
(Adopted by the MSU Board of Regents)
Cheating, plagiarism (submitting another person’s material as one’s own), or doing work for another person which will receive academic credit are all impermissible. This includes the use of unauthorized books, notebooks, or other sources in order to secure or give help during an examination, the unauthorized copying of examinations, assignments, reports, term papers, or the presentation on unacknowledged material as if it were the student’s own work. Disciplinary action may be taken beyond the academic discipline administered by the faculty member who teaches the course in which the cheating took place.
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:

This course is based upon clinical experience; therefore, no text is required. The individual instructors may recommend texts and references that will assist the student during specific laboratories.

XIII. PREREQUISITES:

None

XIV. STATEMENT OF AFFIRMATIVE ACTION AND EQUAL OPPORTUNITY:

Murray State University endorses the intent of all federal and state laws created to prohibit discrimination. 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.