

Pre-Veterinary Clinical Sciences

Dr. Ashley Whiteside, DVM

a-whiteside@wiu.edu

1-309-371-7547

Monday/Wednesday 11:00 am – 12:50 pm

Knoblauch 226

3.0 credit hours

COURSE DESCRIPTION

In part two of the pre-veterinary sciences course, students will further develop their understanding and skills of basic veterinary hands-on skills. Students will study and develop confidence with basic veterinary skills and diagnostic techniques by participating in two weekly lab periods where performing and practicing basic lab and patient procedures will be prioritized during class time.

COURSE OBJECTIVES

- Identify and utilize basic veterinary diagnostic tools.
- Recognize the “when and why” of diagnostic tools and tests in veterinary medicine.
- Demonstrate confidence in physical exam and describe findings.
- Demonstrate abilities to identify veins in small and large animals for catheter placement.
- Demonstrate abilities to place and secure catheters in small and large animals.
- Perform various lab procedures including (but not limited to) fecal exams, urinalysis, blood smears, cytology preps, and fine needle aspirates.
- Identify endotracheal tubes and demonstrate ability to choose adequate ETT for patient size.
- Identify and implement basic suture patterns while understanding differences amongst suture and needles.
- Identify and explore anesthesia and surgical preparation of patients and sterile fields.

COURSE MATERIALS

- All course materials will be distributed via Western Online prior to class periods.
- Additional materials such as links, articles, videos, or textbook materials will be provided on Western Online as applicable to the course.
- No textbook is required for this course.
- Basic calculator:

- **PHONE CALCULATORS WILL NOT BE ALLOWED DURING TESTS/QUIZZES**
- **SMART WATCH CALCULATORS WILL NOT BE ALLOWED DURING TESTS/QUIZZES**
- **Upon instructor approval these calculators can be used in lab when appropriate**

COURSE EXPECTATIONS

- Expand student knowledge of basic veterinary diagnostics and clinical skills
- Develop and improve student confidence in performing clinical skills
- **Complete suture patterns for grade by the end of the semester**
 - Based on class size/materials available the suture patterns and requirements are TBD
- Put forth your best effort to each lab period and clinical skill development!

COURSE POLICIES

- **Course Pre-requisites: there are no pre-requisites for AGRI 475. It is recommended Intro to Veterinary Sciences be completed but not required.**
- Attend each class period
- Complete each pre-lab preparation via Western Online as it applies to the weekly lab
- Arrive to class on time and be prepared to contribute to class conversation
- **In order to prepare for veterinary school or future responsibilities I will not accept late work of any kind**
- There may be random attendance taken for points. Attendance and punctuality are crucial for surviving veterinary school!
- Any points missed during class periods cannot be made up at a later time without prior instructor notice of absence
- It is student responsibility to check with classmates regarding missed class periods
- Routinely check Western Online & e-mail to stay up to date with the course
- Students with disabilities
 - In accordance with University values and disability law, students with disabilities may request academic accommodations where there are aspects of a course that result in barriers to inclusion or accurate assessment of achievement. To file an official request for disability related accommodations, please contact the Disability Resource Center 309-298-2512 or disability@wiu.edu. Their office can be found at 143 Memorial Hall. Please notify course instructor as soon as possible to ensure this course is accessible to you in a timely manner.
- Code of Student Conduct
 - I expect all students to follow and cooperate with the code of student conduct on and off university property. I expect all students to maintain the utmost of professionalism and ethical behavior as a student in my course but also as a person in society and future veterinary professional.
- Title IX

- University values, Title IX, and other federal and state laws prohibit sex discrimination, including sexual assault/misconduct, dating/domestic violence, and stalking. If you, or someone you know, has been the victim of any of these offenses, we encourage you to report this to the Title IX Coordinator at 309-298-1977 or anonymously online at: http://www.wiu.edu/equal_opportunity_and_access/report.php. If you disclose an incident to a faculty member, the faculty member must notify the Title IX Coordinator. The complete Discrimination, Harassment, and Sexual Misconduct Policy policy is available at: <http://www.wiu.edu/policies/dhsm.php>.
- Tobacco and alcohol are **prohibited** in class
- Phone use during class and lab periods is prohibited
- Plagiarism or cheating of any kind will not be tolerated and will result in automatic failure of this course. Please do your own work and cite sources as applicable.
- Students should have major medical, surgery, and emergency expenses covered through either their parents/guardians, or personal health insurance policies. WIU health services provides outpatient care to all WIU students
- **LAB PERIODS**
 - **We will work with animals, laboratory tools, diagnostic tools, and samples or materials from animals. Please be aware of all safety precautions necessary and listen to your instructor at all times. When working directly with animals closed toe shoes and long pants are required.**

AGRICULTURE EDUCATION MAJORS

The changes within the state teaching license require all education majors to receive a grade of “C-” or better in this course in order to meet Illinois teaching license requirements. With the university +/- grading system, receiving a “D+” or below will require you to retake this course or find a substitute course to meet School of Agriculture graduation requirements.

OFFICE HOURS

For the time being I do not have set office hours/location. Due to the nature of my schedule, meetings outside of class time will need to be made by appointment. I am happy to accommodate students via zoom meetings, phone calls, or in person meetings as available on campus. Should you schedule a meeting, please come prepared.

COURSE GRADING

300 points	Lab participation and completion This course will be heavily weighted on participation in lab periods and completing clinical skills assessments. Each week will consist of 20 points weighted on the exercises completed in lab.
200 points	Quizzes Weekly via Western Online
100 points	Final Comprehensive; clinical skills competency
100 points	Miscellaneous Random Attendance Points Participation/Contribution to discussions
50 points	Suture Project We will spend an immense amount of time practicing suture patterns and skills. Completion of various patterns graded by the course instructor will complete the suture section More to come as class size and available materials develop
points	Total Course Value

- Scores will be recorded on Western Online as grades are completed
- Final grades will be released once finals week is complete
- ANY CONCERNS OR QUESTIONS MUST BE ADDRESSED ASAP! Please do not hesitate to reach out at any point during the semester regarding your grades
- **A final exam is required and will be COMPREHENSIVE**
- If circumstances require you to miss a lab period, quiz, or in class points, Dr. Whiteside must be notified at least 24 hours prior to the class period. E-mail will work best.
- No after-the-fact excuses for missed assignments, lab periods, or quizzes will be accepted
- Final grades will not be curved

WHAT TO EXPECT AND HOW TO SUCCEED

Per 1 credit hour expect to spend 3 hours outside of class time reviewing, reading, studying, or preparing. It is imperative you understand the concepts in this course to best prepare yourself for your future in the field of veterinary medicine. This 1:3 hour ratio is not set in stone as every student learns differently. Do what is best for you. **I cannot stress enough finding your study pattern and habits now while in undergraduate courses. Find what works for you now before you are in a professional program.**

Grading Scale	
A	93 – 100
A-	90 – 92
B+	87 – 89
B	82 – 86
B-	80 – 81
C+	77 – 79
C	72 – 76
C-	70 – 71
D+	67 – 69
D	63 – 66
D-	60-62
F	< 59

If at any point you feel yourself falling behind DO NOT HESITATE TO REACH OUT! You cannot succeed without seeking help and asking questions when necessary! Do not allow yourself to procrastinate or fall behind in this course.

LAB PERIODS

- Dress appropriately for working with animals or samples
- Long pants are required. No dresses, skirts, or shorts will be tolerated in lab period.
- Close-toed shoes are required, ESPECIALLY in livestock handling labs. No open-toed shoes will be tolerated on the farm.
- Please do not wear sleeveless, cut off, or crop top shirts in lab.
- The safety of students, instructors, animal handlers, and animals are the primary concern at all times when working with animals.
- Phones are prohibited during lab period unless permission is granted prior to class period. Occasionally there will be opportunities to take photos for **educational purposes only**.
- Social Media: photos taken during this course are NOT to be shared on social media under any circumstances. If it is brought to my attention that case-specific photos are shared online or with others without permission it could result in automatic failure of the course. Professionalism and client/patient privacy is a serious matter in veterinary medicine. PLEASE TAKE THIS SERIOUSLY.

THIS SYLLABUS IS SUBJECT TO CHANGE AT ANY POINT DURING THE SEMESTER AT THE DISCRETION OF THE INSTRUCTOR OR UNDER THE SUPERVISION OF THE SCHOOL OF AGRICULTURE. SHOULD ANY CHANGES OCCUR YOU WILL BE NOTIFIED IN A TIMELY MANNER.

COURSE SCHEDULE

WEEK OF	TOPICS & MATERIALS
Aug 22	Course Introduction & Syllabus Quiz
Aug 29	M: Review S1 & Introduce Basic Tools (relevant to semester) W: Equine Physical Exam Checklist - @ White Pine Farms
Sept 5	M: No class – LABOR DAY W: Cattle Physical Exam Checklist
Sept 12	M: Possible bovine necropsy – TBD W: Herd Health – Evaluating groups of animals
Sept 19	NO CLASS – DR. W GONE – ONLINE ASST TBD
Sept 26	M: Suture types + needle types – intro to suturing W: Suture patterns & practice
Oct 3	M: IV catheters – size/placement/when & why W: Placing + suturing into place
Oct 10	M: Fecal & parasite ID W: Urinalysis – prep & interpretation
Oct 17	M: Cytology – sampling, prep, & interpretation W: CASE REVIEW – submit cases or cool photos if you have them!
Oct 24	M: Sterility in vet med – intro to sterile fields & prep W: Prepping sterile fields, mock set up for surgery patients
Oct 31	M: Anesthesia in Vet Med – endotracheal tubes, laryngoscope, monitoring/interpreting screens W: Sedatives, pain meds, & drug calculations
Nov 7	**Flex week** I'd like to get weaned calves/processing in Will use this week as a buffer in case we must rearrange!
Nov 14	PREG CHECKING Palpating cattle +/- U/S sheep/goats TBD based on due dates
Nov 21	NO CLASS – THANKSGIVING BREAK
Nov 28	CLINICAL SKILLS REVIEW WEEK M + W Wrap up suture projects
Dec 5	DEAD WEEK M or W: clinical skills competency/final exam **students will come in at a designated time EITHER Monday or Wednesday to complete clinical skills check list as their final
Dec 12	No class

*****Course schedule is subject to change with notice