

McLennan
C O M M U N I T Y
COLLEGE

WACO, TEXAS

COURSE SYLLABUS

AND

INSTRUCTOR PLAN

Veterinary Pharmacology
VTHT 1249 and VTHTL 1249

Dennis A. Clark DVM

NOTE: This is a 16-week course.

NOTE: This is a Blended/Hybrid course.

COVID 19 Notice:

McLennan Community College is committed to providing you with every resource you need to reach your academic goals including your safety. We will continue to monitor the evolving situation with COVID 19 and adjust our safety guidelines to make sure we offer a safe environment for you and our faculty. Please make sure to consult your faculty and the MCC website at <https://www.mclennan.edu/crisis-management/coronavirus-updates/index.html> on any changes to these guidelines.

Veterinary Pharmacology
VTHT 1249 and VTHTL 1249

Course Description:

Fundamentals of pharmacology including recognition, calculation, labeling, packaging and administration of common drugs, biologics, and therapeutic agents.

Semester Hours: 2 (2 lec/2 lab)

Prerequisites and/or Corequisites:

Prerequisites: Successful completion of first semester VTHT courses with a grade of a “C” or better.

Course Notes and Instructor Recommendations:

Veterinary Pharmacology goes over pharmaceuticals, biologics, therapeutic agents, and parasite control agents by both class of agent and targeted organ systems. Students will also learn how to use the metric system, conversions between measurement systems, therapeutic calculations, and other pharmacologic calculations. This class also covers laws and regulations drugs, controlled drugs, and dispensing and prescribing drugs; how to fill out a medical record and proper medical documentation; and the Veterinary Technician Practice Model. This course is fast-paced. You are **STRONGLY** encouraged to seek help early instead of waiting until the end of the semester to try to raise your grades at that point. This course will have a lot of mathematical calculations. If you struggle with mathematics, it is imperative that you seek help via the instructor, other students or the MCC Math Lab.

Instructor Information:

Instructor Name: Dennis A. Clark DVM

MCC E-mail: dclark@mclennan.edu

Office Phone Number: (254) 299-8771

Office Location: VT #125

Cell - (254) 715-3258- **DO NOT call after 2100hrs or before 0700hrs.** If texting, please identify your name in the text.

Email or text is the preferred method to contact me. It is essential that you have a fully functioning email account and that you check it often. This is the primary way that I communicate to the class as a group. Emails will be replied to during regular College business hours.

Office Hours:

Monday: 0900-1100 hrs and 1230-1600 hrs

Tuesday: None

Wednesday: None

Thursday: 1030-1200 hrs

Friday: By appointment

Required Text & Materials:

Clinical Pharmacology and Therapeutics for Veterinary Technicians

Robert L. Bill

Publisher: Elsevier

4th Edition

ISBN: 978-0-323-08679-0

Practical Math for Veterinary Technicians

Marianne Tear & Susan Burcham

Publisher: Bluedoor, LLC

ISBN: 978-1-64386-264-4

The Veterinary Technician's Guide to Writing SOAPs

Rockett, Lattanzio, & Christensen

Publisher: Rockett House Publishing

ISBN: 9780615774350

Case Studies in Veterinary Technology 1st edition

Jody Rockett & Chani Christensen

Publisher: Rockett House Publishing

ISBN: 9780615435053

MCC Bookstore Website: <http://www.mclennan.edu/bookstore/>

Methods of Teaching and Learning:

Methods of teaching and learning will include, but not limited to lecture, lab exercises, exams, quizzes, discussions and simulations.

Course Objectives and/or Competencies:

- A. Become familiar with the various pharmacologic agents and to understand how they affect a patient. Understand the terminology related to this field. The elimination and toxicity of these agents will also be studied. The calculation of the correct dosage and route of administration will also be covered.
- B. Become proficient in the administration of pharmacologic agents.
- C. Familiarize the student with various drug manufacturers, and the classification of pharmaceutical agents.
- D. If given the characteristics of the patient, the instructions of the veterinarian and the medication to be used, the student will determine the correct form, dose and route for the medication to be administered. The student should also be able to communicate necessary information to the client and to demonstrate the correct administration of

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medication to the patient for the client, to maximize both efficacy and safety of the prescribed treatment.

- E. Know and understand laws pertaining to controlled substances, prescribing medication, compounding medication, administering medication, and medical documentation.
- F. Effectively communicate by written medical records.

Course Outline or Schedule:

The lecture/lab schedule is subject to change, but all material will still be covered in a similar order. Any changes to the schedule will be announced in class and/or posted on BrightSpace and/or communicated via e-mail. The following outline is by the week and is based on your textbook.

1. Chapter 1: Veterinary Pharmacology and the Veterinary Technician
2. Chapter 2: Pharmacy Procedures and Dosage Calculations
3. Chapter 3: Pharmacokinetics and Pharmacodynamics
4. Chapter 4: Drugs Affecting the Gastrointestinal Tract
5. Chapter 5: Drugs Affecting the Cardiovascular System
6. Chapter 6: Drugs Affecting the Respiratory System
7. Chapter 7: Drugs Affecting the Endocrine System
8. Chapter 8: Drugs Affecting the Nervous System
9. Chapter 9: Drugs Affecting the Nervous System
10. Chapter 10: Antimicrobials
11. Chapter 11: Disinfectants and Antiseptics
12. Chapter 12: Antiparasitics
13. Chapter 13: Antiinflammatory Drugs
14. Chapter 13: Antiinflammatory Drugs
15. Review week

Course Grading Information:

Lecture Grades: There will be 4 multi-chapter exams (100 points each) and a comprehensive final lecture exam worth 200 points administered during the college's Final Exam Week. Test formats will include multiple choice, true/false, matching, fill-in-the-blank, mathematical calculations, and/or essay/short answer. Pop quizzes may be given at the instructor's discretion or as needed to reinforce covered material.

Weekly Quizzes: A weekly 10 point quiz will be given over the material assigned for that week. The quiz will be posted on blackboard

Laboratory Grades: There will be 15 lab sessions, and attendance will be taken at the beginning of each class. You will be graded on your participation and attendance to lab. Participation with the Extraco Event Center CDE Event contest is **MANDATORY**. Failure to

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participate will result in 150 points being deducted from your Attendance & Participation grade. **CDE CONTEST, WED. March 30th. All veterinary technology students (and veterinary assisting students), are required to participate.** There will be a comprehensive final laboratory exam worth 100 points administered during the college's Final Exam Week. The lab exam format will include, but will not be limited to, identification of drugs, syringes, and needles; proper drug labeling; proper controlled drug log entries; proper drug administration to a model or live animal; proper drug preparation according to veterinarian's orders; proper prescription filling and labeling according to veterinarian's orders; multiple choice; true/false; matching; fill-in-the-blank; mathematical calculations; and/or essay/short answer.

Drug Cards: A list of drugs will be supplied to students. Students will complete supply the following information for each drug:

- A. Trade name(s)
- B. Drug class
- C. Dosage for common species (dog, cat, horse, cattle)
- D. Route of administration
- E. Indications
- F. Contraindications
- G. Side effects.

Ten (10) drugs will be assigned each week to be completed by a specific due date. Drugs will be listed in a Microsoft Word or PDF document. Drug cards will be worth 150 points of your final grade. Drug Cards must be turned in by the assigned due date by electronic means such as email or BrightSpace. **All work submitted must be in Microsoft Word or PDF; Google documents WILL NOT be accepted.** Late submissions will NOT be accepted. **(There will be no exceptions!)**

Weekly Quizzes: A weekly quiz will be give either in person or on Brightspace. The quiz will contain questions from reading material assigned and from drugs due that week in the drug cards. Quizzes may be written or oral. Quiz questions maybe multiple choice, multiple answer, matchinig, true/false, short answer, and essay.

Case Studies: There will be 10 case studies assigned in this class with each being worth 15 points. The cases will be from Case Studies in Veterinary Technology, Chapter 10: Pharmacology pages 247 – 269. Case studies will be assigned in class and have a specific due date. Case studies will be submitted by electronic means such as email or BrightSpace. **All work submitted must be in Microsoft Word or PDF; Google documents WILL NOT be accepted.** Late submissions will NOT be accepted.

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SOAPS: You will complete the SOAPS at the end of **The Veterinary Technician's Guide to Writing SOAPS**. These SOAPS will be turned in by by electronic means such as email or BrightSpace. **All work submitted must be in Microsoft Word or PDF; Google documents WILL NOT be accepted.** Late submissions will NOT be accepted. The due date is Thursday April 22, 2021.

Determining your course grade: Take the total points earned on all of your exams, attendance and quizzes. Use the following chart to find your grade:

Weekly Quizzes:	150 points
Lecture Exams:	400 points
Lecture Final:	200 points
Lab Participation:	150 points
Lab Final:	100 points
Drug cards:	150 points
Weekly Quizzes:	150 points
Case Studies:	100 points
SOAPS:	100 points
TOTAL POINTS:	1500

A= 1350 points and above

B= 1349.9-1200

C= 1199.9-1050

D= 1049.9-975

F= 974.9 points or less

You must pass this course with a C. Failure to achieve a minimum of a C average will result in the student being dismissed from the Veterinary Technology Program.

Late Work, Attendance, and Make Up Work Policies:

As stated in the Student attendance policy: Students will be permitted to make up class work and assignments missed due to absences caused by **(1)** authorized participation in official College functions, **(2)** personal illness, **(3)** an illness or a death in the immediate family, **(4)** the observance of a religious holy day, or **(5)** required military service. Also, the instructor has the prerogative of determining whether a student may make up work missed due to absences for other reasons. It is the student's responsibility to inform the instructor of the reason for an absence and to do so in a timely fashion. If the student misses an exam he/she will be allowed to make up the missed exam **ONLY IF** the absence is caused by one of the 5 causes listed above. Personal illnesses will require a doctor's note before you can make up any missed exams or

work. Make up exams and assignments may be Essay in nature. The professor may require make up exams be taken at the MCC Testing Center. Missed labs will be made up by scheduling time outside of class with the instructors.

Student Behavioral Expectations or Conduct Policy:

- A. **Cheating will not be tolerated in this course.** This includes copying answers from another students paper, turning in work that is not your own or copying anything from another source without appropriate credit given to the original author. **If suspected, a grade of “0” will be given on the first occurrence and the second occurrence will lead to an “F” in the course and dismissal from the program.**

- B. **Please turnoff or silence all cellular phones and place them inside the cell phone basket when entering the classroom or laboratory.** The devices are disturbing to your fellow classmates and instructor. If you are expecting an important call, then please inform the instructor ahead of time. **Any phones going off in class will result in a 0 (F) for the day.**

- C. This course is taught on the basis of mutual respect. I respect your desire to learn the material and will do my best to present it in a way to facilitate learning. You need to respect the classroom environment, your fellow students and the instructor.

- D. In order to ensure students arrive on time for class, please note that effective for Spring 2020, the classroom instructor will be locking the classroom door **5 minutes** after class begins. If a student arrives late and the door is locked, please know that the student will NOT be allowed in the classroom and will be counted absent for that class period. If a student leaves the classroom during the class (for anything other than an emergency)-such as becoming ill, or specific phone calls-for example a sick child, doctor’s office, etc.-they will NOT be allowed to return to the classroom. Personal needs need to be taken care of between classes.

For classes (either lecture or labs), that last more than the approximate 50 minute period, a tardy student may be allowed into that class when the class takes a scheduled break or at the instructors discretion if scheduled breaks are not practical.

This policy is to help diminish disruption of the class, and to help ensure student safety while in the classroom.

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ATTENDANCE AND DRESS CODE: Attendance at all class lectures and labs is *required and is essential* to your success in this course. Attendance may be taken by, but not limited to, any of the following measures: roll call, quiz, vocabulary word, and/or survey. **You must wear closed-toe non-slip shoes at all times for lecture and lab.** **Students may wear the following to class:**

Jeans (clean with no holes, no rips and no tears) Scrub pants Dress slacks
Scrub top MCC Vet Tech Polo shirt

The following is prohibited and will result in being dismissed from class for the day, being marked as absence, and a grade of 0 (F) for the day:

Open toed shoes Shorts Capri Pants Short skirt or kilt
T- Shirt Sleeveless shirt Facial Piercings (one 1 earring allow in each ear)
Any distractive/suggestive clothing, piercing, or body art.

Visible tattoos and body jewelry (other than earrings confined to the lobes – 1 per ear) are required to be covered up or removed, respectively, when in lecture or laboratory sessions at the Veterinary Technology facility, field trips, class trips to shelters or veterinary facilities, and at all times during your practicum. Disruptive hair styles are discouraged. Acceptable hair colors fall under the normal range of natural color.

NEW TARDY POLICY EFFECTIVE Spring 2022

In order to ensure students arrive on time for class, please note that effective for Spring 2020, the classroom instructor will be locking the classroom door 10 minutes after class begins. If a student arrives late and the door is locked, please know that the student will NOT be allowed in the classroom and will be counted absent for that class period. If a student leaves the classroom during the class (for anything other than an emergency)-such as becoming ill, or specific phone calls-for example a sick child, doctor's office, etc.-they will NOT be allowed to return to the classroom. Personal needs need to be taken care of between classes.

For classes (either lecture or labs), that last more than the approximate 50 minute period, a tardy student may be allowed into that class when the class takes a scheduled break or at the instructors discretion if scheduled breaks are not practical.

This policy is to help diminish disruption of the class, and to help ensure student safety while in the classroom.

PHOTOGRAPH & SOCIAL MEDIA POLICY

No pictures may be taken during this class of other people including instructors and students, patients, exams, tests, homework, or instructional models without the express written consent of the instructor(s) of this class. **Any sharing of photographs of this class on ANY social media sites is strictly forbidden.** No statements that would be considered inflammatory or derogatory towards another student, instructor, or client will not be allowed on social media. **VIOLATION OF THIS POLICY WILL RESULT IN AUTOMATIC FAILURE OF THIS CLASS.**

Professional Expectations

1. All students will dress per Veterinary Technology Professional Dress Code. This is in both the Veterinary Technology Handbook and your syllabus.
2. There will be no profane or vulgar language used at MCC Veterinary Technology. This includes outside of the classroom, during kennel duty, or on field trips.
3. Students will be on time. Tardiness is unacceptable. This includes class, field trips, and kennel duty.
4. Students will be polite and courteous to the public, other students, MCC staff, and MCC faculty.
5. The social media policy for MCC Veterinary Technology will be **strictly** adhered to by all students.
6. There will be no abusive behavior (physical or verbal) towards people, animals, cadavers, supplies, or equipment.
7. All veterinarians will be addressed as Doctor with their last name used:

Example – I am Dr. Clark

All technicians will be addressed as Mr., Ms., or Mrs.

Example – Mrs. Allen
8. Students will clean all laboratory areas at the end of class and will not leave until all lab space, surfaces, equipment, and supplies are properly cleaned, disposed of, or put back in proper working order.
9. Any cheating, stealing, or dishonesty can and will result in dismissal from the program.

10. Students will have all kennel duties, assignments, and other assigned tasks completed on time.

The Veterinary Technician's Oath

"I solemnly dedicate myself to aiding animals and society by providing excellent care and services for animals, by alleviating animal suffering, and promoting public health. I accept my obligations to practice my profession conscientiously and with sensitivity, adhering to the profession's Code of Ethics, and furthering my knowledge and competence through a commitment to lifelong learning."

[Click Here for the MCC Attendance/Absences Policy](https://www.mclennan.edu/highlander-guide/policies.html)

(<https://www.mclennan.edu/highlander-guide/policies.html>)

Click on the link above for the college policies on attendance and absences. Your instructor may have additional guidelines specific to this course.

McLennan

C O M M U N I T Y

COLLEGE

ACADEMIC RESOURCES/POLICIES

Accommodations/ADA Statement:

Any student who is a qualified individual with a disability may request reasonable accommodations to assist with providing equal access to educational opportunities. Students should contact the Accommodations Coordinator as soon as possible to provide documentation and make necessary arrangements. Once that process is completed, appropriate verification will be provided to the student and instructor. Please note that instructors are not required to provide classroom accommodations to students until appropriate verification has been provided by the Accommodations Coordinator. For additional information, please visit www.mclennan.edu/disability.

Students with questions or who require assistance with disabilities involving physical, classroom, or testing accommodations should contact:

disabilities@mclennan.edu

254-299-8122

Room 319, Student Services Center

Title IX:

We care about your safety, and value an environment where students and instructors can successfully teach and learn together. If you or someone you know experiences unwelcomed behavior, we are here to help. Individuals who would like to report an incident of sexual misconduct are encouraged to immediately contact the Title IX Coordinator at titleix@mclennan.edu or by calling Dr. Drew Canham (Chief of Staff for Diversity, Equity & Inclusion/Title IX) at (254) 299-8645. Individuals also may contact the MCC Police Department at 299-8911 or the MCC Student Counseling Center at MCC at (254) 299-8210. The MCC Student Counseling Center is a confidential resource for students. Any student or employee may report sexual harassment anonymously by visiting <http://www.lighthouse-services.com/mclennan/>.

Go to McLennan's Title IX webpage at www.mclennan.edu/titleix/. It contains more information about definitions, reporting, confidentiality, resources, and what to do if you or someone you know is a victim of sexual misconduct, gender-based violence or the crimes of rape, acquaintance rape, sexual assault, sexual harassment, stalking, dating violence, or domestic violence.

Student Support/Resources:

MCC provides a variety of services to support student success in the classroom and in your academic pursuits to include counseling, tutors, technology help desk, advising, financial aid, etc. A listing of these and the many other services available to our students is available at <http://www.mclennan.edu/campus-resource-guide/>

College personnel recognize that food, housing, and transportation are essential for student success. If you are having trouble securing these resources or want to explore strategies for balancing life and school, we encourage you to contact a Success Coach by calling (254) 299-8226 or emailing SuccessCoach@mclennan.edu. Students may visit the Completion Center Monday-Friday from 8 a.m.-5 p.m. to schedule a meeting with a Success Coach and receive additional resources and support to help reach academic and personal goals. Paulanne's Pantry (MCC's food pantry) provides free food by appointment to students, faculty and staff based on household size. Text (254) 870-7573 to schedule a pantry appointment. The Completion Center and pantry are located on the Second Floor of the Student Services Center (SSC).

MCC Foundation Emergency Grant Fund:

Unanticipated expenses, such as car repairs, medical bills, housing, or job loss can affect us all. Should an unexpected expense arise, the MCC Foundation has an emergency grant fund that may be able to assist you. Please go to <https://www.mclennan.edu/foundation/scholarships-and-resources/emergencygrant.html> to find out more about the emergency grant. The application can be found at https://www.mclennan.edu/foundation/docs/Emergency_Grant_Application.pdf.

MCC Academic Integrity Statement:

Go to www.mclennan.edu/academic-integrity for information about academic integrity, dishonesty, and cheating.

Minimum System Requirements to Utilize MCC's D2L|Brightspace:

Go to <https://www.mclennan.edu/center-for-teaching-and-learning/Faculty-and-Staff-Commons/requirements.html> for information on the minimum system requirements needed to reliably access your courses in MCC's D2L|Brightspace learning management system.

Minimum Technical Skills:

Students should have basic computer skills, knowledge of word processing software, and a basic understanding of how to use search engines and common web browsers.

Backup Plan for Technology:

In the event MCC's technology systems are down, you will be notified via your MCC student email address. Please note that all assignments and activities will be due on the date specified in the Instructor Plan, unless otherwise noted by the instructor.

Email Policy:

McLennan Community College would like to remind you of the policy (<http://www.mclennan.edu/employees/policy-manual/docs/E-XXXI-B.pdf>) regarding college email. All students, faculty, and staff are encouraged to use their McLennan email addresses when conducting college business.

A student's McLennan email address is the preferred email address that college employees should use for official college information or business. Students are expected to read and, if needed, respond in a timely manner to college emails.

Instructional Uses of Email:

Faculty members can determine classroom use of email or electronic communications. Faculty should expect and encourage students to check the college email on a regular basis. Faculty should inform students in the course syllabus if another communication method is to be used and of any special or unusual expectations for electronic communications.

If a faculty member prefers not to communicate by email with their students, it should be reflected in the course syllabus and information should be provided for the preferred form of communication.

Email on Mobile Devices:

The College recommends that you set up your mobile device to receive McLennan emails. If you need assistance with set-up, you may email Helpdesk@mclennan.edu for help.

Forwarding Emails:

You may forward emails that come to your McLennan address to alternate email addresses; however, the College will not be held responsible for emails forwarded to an alternate address that may be lost or placed in junk or spam filters.

Disclaimer:

The resources and policies listed above are merely for informational purposes and are subject to change without notice or obligation. The College reserves the right to change policies and other requirements in compliance with State and Federal laws. The provisions of this document do not constitute a contract.