McLennan

COMMUNITY

COLLEGE

WACO, TEXAS

COURSE SYLLABUS

AND

INSTRUCTOR PLAN

Veterinary Pharmacology

VTHT 1249.75

Dennis A. Clark DVM

NOTE: This is a 16-week course.

Spring 2020

Course Description:

Fundamentals of pharmacology, including recognition, calculation, labeling, packaging, and administration of common veterinary drugs, biologics, and therapeutic agents. Discussion of normal and abnormal responses to these agents. Prerequisites: VTHT 1413 and 2321. Semester Hours 2 (2 lec/2 lab).

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.

Prerequisites and/or Corequisites:

Prerequisites: VTHT 1413 and 2321.

Course Notes and Instructor Recommendations:

Lectures: Tuesday from 1000hrs – 1140hrs Room 109
Laboratories: Thursday from 0900hrs – 1100hrs Room 109

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/Teacher Conference Hours: Mondays- 0900-1100hrs & 1300-1630hrs,

Tuesdays None, Wednesdays None, Thursday 1100-1200hrs. Friday is by appointment only.

<u>Required Text & Materials</u>:
Jennifer Serling & Kate Arnold, **Practical Pharmacology for Veterinary Technicians**
Publisher: Bluedoor, LLC
ISBN: 978-1-68135-518-4

Marianne Tear & Susan Burcham, **Practical Math for Veterinary Technicians**
Publisher: Bluedoor, LLC
ISBN: 978-1-64386-264-4

Rockett, Lattanzio, & Christensen, **The Veterinary Technician's Guide to Writing SOAPs**
Publisher: Rockett House Publishing
ISBN: 9780615774350

Jody Rockett & Chani Christensen, **Case Studies in Veterinary Technology 1st edition**
Publisher: Rockett House Publishing
ISBN: 9780615435053

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

TECHNOLOGY REQUIREMENTS
> You must have a computer or tablet with a working internet connection. You must be able to receive and send emails on a regular basis. You must be able to use Brightspace on your computer or tablet. If you **do not** have: 1. a working computer or tablet 2. working email away from campus 3. an internet connection, you may use the computers in the Vet Tech library while at school. This class will have assigns, quizzes, and vital information posted on Brightspace and communication will be done primarily through email.

<u>Student Support/Resources:</u>
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, we encourage you to contact a success coach by calling (254) 299-8226. Students can visit the Completion Center Monday-

Friday from 8:00 a.m.-5:00 p.m. to meet with a success coach and receive additional resources and support to help reach academic and personal goals. Paulanne's Pantry (MCC's food pantry) is open 12:00 p.m.-1:00 p.m., Monday-Friday, without an appointment. The Completion Center and pantry are located on the Second Floor of the Student Services Center (SSC).

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 contacted/notified through 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.

* Click Here for the Minimum System Requirements to Utilize MCC's D2L|Brightspace
(**www.mclennan.edu/center-for-teaching-and-learning/teaching-commons/requirements**)
Click on the link above for information on the minimum system requirements needed to reliably access your courses in MCC's D2L|Brightspace learning management system.

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

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: Introduction to Pharmacology
   Chapter 2: Methods and Routes of Administration
2. Chapter 3: Math
   Chapter 4: Pharmacy Management
3. Chapter 5: Nervous System Drugs
4. Chapter 6: Cardiovascular Drugs
5. Chapter 7: Anti-inflammatory Medications and Pain Relief
6. Chapter 8: Gastrointestinal and Urinary Drugs
7. Chapter 9: Fluid Therapy
8. Chapter 10: Antimicrobials and Antibiotics
9. Chapter 11: Chemotherapeutics and Immune System Drugs
10. Chapter 12: Endocrine Drugs
11. Chapter 13: Respiratory System Drugs
12. Chapter 14: Ophthalmic and Otic Medications
13. Chapter 15: Topical Therapies
14. Chapter 16: Emergency Drugs
15. Chapter 17: Vitamins and Supplements

COURSE GRADING INFORMATION:
Lecture Grades: Attendance will be taken at the beginning of each class. 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 maybe 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 Brightspace
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 participate will result in 150 points being deducted from your Attendance & Participation grade. **CDE CONTEST, WED. April 1st 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: Trade name(s), dosage, route of administration, indications, contraindications, and side effects. Drugs may be listed on 1) 3X5 index card or 2) a Microsoft Word document. Drug cards will be worth 200 points of your final grade. Drug Cards must be turned in by the end of class on Tuesday April 28th. (**There will be no exceptions!**)

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. Late submissions will NOT be accepted.

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: 200 points
Case Studies: 150 points
TOTAL POINTS: 1350
    A= 1215 points and above
    B= 1214.9-1080
    C= 1079.9-945
    D= 944.9-877
    F= 876.9 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:

ATTENDANCE: 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.

MISSED EXAM: 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 or **(4)** the observance of a religious holy day. 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 4 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 and must 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:

Academic Integrity Statement:

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.

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.

MCC Attendance Policy:

* Click Here for the MCC Attendance/Absences Policy
(www.mclennan.edu/highlander-guide/policies)

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

MCC Academic Integrity Statement:

* **Click Here for the MCC Academic Integrity Statement**

(www.mclennan.edu/academic-integrity)

The link above will provide you with information about academic integrity, dishonesty, and cheating.

PHOTOGRAPH & SOCIAL MEDIA POLICY

No pictures maybe 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.**

MCC OFFICIAL E-MAIL POLICY
This policy applies to all students enrolled at McLennan Community College (MCC) and to all MCC employees. All students, staff, and faculty will use their official college e-mail addresses when conducting college business.
It is MCC's policy to assign all students, upon registration, an official e-mail address, which may remain in effect up to twelve months after students are no longer enrolled at MCC. MCC student e-mail addresses will be the only e-mail authorized to communicate

official college information or business. Students are expected to read and, if needed, respond in a timely manner to college e-mails. It is suggested that students check college e-mail daily to avoid missing time-sensitive or important college messages. Students may forward college e-mails to alternate e-mail addresses; however, **MCC will not be held responsible for e-mails forwarded to alternate addresses.** A student's failure to receive or read official communications sent to the student's assigned e-mail address in a timely manner does not absolve the student from knowing and complying with the content of the official communication.

Privacy and Confidentiality
Official college communications sent by e-mail are subject to public information, privacy, and records-retention requirements and to other policies and procedures.

Instructional Uses of E-mail
Faculty members will determine classroom use of e-mail or electronic communications. Faculty will expect students to check college e-mail on a regular basis unless another communication method is indicated in the course syllabus. Faculty should inform students in the course syllabus of any special or unusual expectations for electronic communications. If a faculty member prefers not to communicate by e-mail with her/his students, it should be reflected in the course syllabus and information should be provided for the preferred form of communication.

Appropriate Use of Electronic Communication
The official college e-mail address assigned to students can be revoked if it is determined the student is utilizing it inappropriately. College e-mail must not be used to send offensive or disruptive messages nor to display messages that violate state or federal law.
Use of College e-mail must comply with the following policies:

(a) "Responsible Use of College Computing Resources" (E-XXXI); and
(b) "General Conduct Policy" (E-VIII).

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."

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. Instructors should not provide accommodations unless approved by the Accommodations Coordinator. For additional information, please visit 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

Click Here for more information about Title IX
(www.mclennan.edu/titleix)
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 (Vice President for Student Success) at 299-8645. Individuals also may contact the MCC Police Department at 299-8911 or the MCC Student Counseling Center at MCC by calling 299-8210. The MCC Student Counseling Center is a confidential resource for students.

McLennan's Title IX webpage (http://www.mclennan.edu/titleix/) 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.

* You will need to access each link separately through your Web browser (for example: Internet Explorer, Mozilla, Chrome, or Safari) to print each link's information.*