Please, click on the following link to access A&M-Commerce Covid 19 Information, https://new.tamuc.edu/coronavirus/

VETT 430.01W Emergency & Critical Care for Veterinary Technicians (25665)

VETT 430L.01L Emergency & Critical Care for Veterinary Technicians lab (26258)

COURSE SYLLABUS: Spring 2024
Hybrid with lecture online and lab face to face
Tuesday 12-150pm

INSTRUCTOR INFORMATION

Instructor: **Marisa Rhyne, MS, BAS, LVT, VTS (ECC, SAIM)**
Office Hours: **by appointment only**
University Email Address: **Marisa.Rhyne@tamuc.edu**
Other Email Address: **MarisaRhyne@DallasCollege.edu**
Preferred Form of Communication**: email**
Communication Response Time: **24 hours**

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings

Textbook(s)

- **Required:**
  - Small Animal Emergency and Critical Care for Veterinary Technicians, 4th edition
    - By Andrea Battaglia, LVT & Andrea Steele, MSc, RVT, VTS (ECC)
    - Publisher: Elsevier
    - ISBN 978-0-323-67312-9
  - Veterinary Emergency & Critical Care Procedures, 2nd edition
    - By Elisa Mazzaferro & Timothy Hackett

The *syllabus/schedule are subject to change.*

- Publisher: Wiley Blackwell
- ISBN 978-0-470-95855-1

Software Required: Any Internet vehicle including Google Chrome, Firefox, etc that follows that below supported browsers. Also, lecture materials, supplemental worksheets, videos, and slides will be available on D2L which will need to be opened using Adobe PDF, Microsoft Word, and Microsoft Power Point.
Optional Texts and/or Materials: There will be links to images, videos, and other supplemental materials.

Course Description

VETT 430 Emergency and Critical Care for Veterinary Technicians

Presentation of content emphasizing the theoretical and practical aspects of management of emergent and intensive care cases presented to the veterinary clinic for care by the veterinary technician. Content to include physical exam, triage, clinical pathology, monitoring of shock, body system specific emergencies, common intoxications, and RECOVER guidelines.

Student Learning Outcomes

1. Students will demonstrate the ability to describe physical examination and triage in an emergency medicine context.
2. Students will effectively be able to describe and recognize cardiopulmonary arrest and discuss current treatment protocols including CPR (Cardiopulmonary Resuscitation) in association with RECOVER principles (will include drug and fluid calculations)
3. Students will be able to describe typical emergency patient care as would be required to be functional member of a treatment team and effective client communication
4. Students will be able to identify the physiologic mechanisms and effects of the different classifications of shock and discuss the rationale of current treatment protocols
5. Students will be able to describe the recognition and treatment of common emergencies on a system basis including gastrointestinal, ophthalmologic, neurologic, metabolic, reproductive, and hematologic emergencies and toxicities.
6. Students will be able to discuss and follow the Kirby's Rule of 20 for daily care of the critical patient.
7. Students will be able to construct nursing care plans and perform common calculations associated with critical care nursing care.
8. Students will be able to perform and understand commonly performed clinical pathology procedures in emergent and critical care patients.
9. Students will be able to discuss the care of and perform common procedures completed by the veterinary technician in an ECC role such as venous access, urinary access, and oxygen supplementation

10. Students will learn their role as a veterinary technician, team member, and client educator in a laboratory, clinical, and diagnostic setting.

COURSE REQUIREMENTS

Minimal Technical Skills Needed

Examples include: Using the learning management system, using Microsoft Word and PowerPoint, using presentation and graphics programs, etc

Instructional Methods

This section describes how the learning process will be conducted (delivery modalities, course structure, Getting Started and types of learning activities and assessments). The lecture portion will be only. The lab portion will be delivered face to face on campus with lab report submissions being completed online and the exams will be on campus.

Student Responsibilities or Tips for Success in the Course

. Examples include: Regularly logging into the course website, approximately 2 hours of weekly study and 2 hours of participation time expected. These anticipated times are an estimation and may require more or less.

GRADING

The final grade in the course will be based on your accumulated total points during the semester according to the following distribution:

Lecture	Lab
A = 675 - 750 points	A = 315 – 350 points
B = 600 - 674 points	B = 280 – 314 points
C = 525 - 599 points	C = 245 – 279 points
D = 450 – 524 points	D = 210 – 244 points
F = 449 and below	F = 209 and below

Course grades come from:

Lecture grades:	
5 Lecture unit exams @ 100 points each	500 points
1 Lecture final exam @ 150 points	150 points
5 Lecture assignments @ 20 points each	100 points
Lecture total	**750 points**

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Lab grades:	
Lab Midterm	100 points
Lab Final	150 points
10 lab assignments @ 10 points each	100 points
Lab total	**350 points**

1. Attendance
    - You are expected to come to class every meeting.
    - If absences are excessive, points will be deducted from overall course points.
    - Excused absences must be discussed with the professor within 48 hours of a missed class, preferably before.
2. Assignments/ Worksheets
    - Late submissions: Submissions will be due at a specified date and time. Any time after the due date, the homework is considered late and will receive an automatic 15% reduction in the final score and a 5% reduction each day beyond the due date.

Assessments

Lab Exams will consist of a midterm and final, both with written and practical portions. The final will be comprehensive/cumulative and will be given during lab time on: Time and Location TBA
Lecture exams, unit and final, will include T/F, matching, multiple choice, multiple answer, identification, and short answer. These are to be completed and submitted online by the designated due date. The exams are timed and you will have only one attempt.

Assignments

Lecture and Lab will have assignments that are to be completed and submitted by the specified due date. The assignments will be related to material, enforcing the content being presented at the time.

Skill List

This lab contains a task/skill list that will guide our lab schedule and provide a means of evaluation. It should be completed to the best of your ability and submitted at the end of the course. All skills listed will be part of the weekly lab material.

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TECHNOLOGY REQUIREMENTS

LMS

All course sections offered by Texas A&M University-Commerce have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements

LMS Requirements:
https://community.brightspace.com/s/article/Brightspace-Platform-Requirements

LMS Browser Support:
https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm

YouSeeU Virtual Classroom Requirements:
https://support.youseeu.com/hc/en-us/articles/115007031107-Basic-System-Requirements

ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@tamuc.edu**.**

Note: Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a TAMUC campus open computer lab, etc.

COMMUNICATION AND SUPPORT

If you have any questions or are having difficulties with the course material, please contact your Instructor.

Technical Support

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:

https://community.brightspace.com/support/s/contactsupport

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Interaction with Instructor Statement

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures/Policies

Syllabus Change Policy

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

University Specific Procedures

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the Student Guidebook.
http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum:
https://www.britannica.com/topic/netiquette

TAMUC Attendance

For more information about the attendance policy please visit the Attendance webpage and Procedure 13.99.99.R0.01.
http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx

http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf

Academic Integrity

Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

Undergraduate Academic Dishonesty 13.99.99.R0.03
Undergraduate Student Academic Dishonesty Form

http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/documents/13.99.99.R0.03UndergraduateStudentAcademicDishonestyForm.pdf

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Graduate Student Academic Dishonesty Form

http://www.tamuc.edu/academics/graduateschool/faculty/GraduateStudentAcademicDishonestyFormold.pdf

http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf

Students with Disabilities-- ADA Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services
Texas A&M University-Commerce
Velma K. Waters Library Rm 162
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
Email: studentdisabilityservices@tamuc.edu
Website: Office of Student Disability Resources and Services
http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/

Nondiscrimination Notice

Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the Carrying Concealed Handguns On Campus

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document and/or consult your event organizer.

Web url:
http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

A&M-Commerce Supports Students' Mental Health

The Counseling Center at A&M-Commerce, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit **www.tamuc.edu/counsel**

COURSE OUTLINE / CALENDAR

Emergency & Critical Care tentative schedule:

Week	Lecture	Lab
1 (1/17)	Chap 28 & 29 – Art of Scheduling & Client communications in Emergency	Lab rules, flow, assignments, grading, triage, Kirby's rule of 20, nursing care plans
2 (1/24)	Chap 11 & 12 – Isolation techniques & Emergency receiving	Venous access – peripheral, IV catheter care
3 (1/31)	Chap 1 – Critical thinking Assignment #1 EX 1 (5 chaps - 28, 29, 11, 12, 1)	Venous access – central, IV catheter care Assignment #1
4 (2/6)	Chap 2-5 – Monitoring critically ill, Patient lifeline, Fluid therapy, Transfusion medicine	Urinary access – male catheter, urinary catheter care
5 (2/13)	Chap 6 - 8 – Nutritional support, Oxygen therapy & Mechanical ventilation Assignment #2 EX 2 (7 chaps - 2-8)	Urinary access –female catheter, urinary catheter care Assignment #2
6 (2/20)	Chap 9 & 10 – Pain assessment/treatment & anesthesia in critically ill	Critical care monitoring & nursing care – fluid therapy (ins/outs, oxygen, CRI) Assignment #3
7 (2/27)	Chap 13 & 14 – Management of patient in shock & CPR current practice/RECOVER	Lab evaluation & monitoring - clin path (blood type, crossmatch, blood gases, coags) Assignment #4

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8 (3/6)	Chap 15 & 16 – Traumatic emergency & Hematologic emergency EX 3 (6 chaps – 9, 10, 13-16) Assignment #3	MIDTERM exam
(3/13)	**Spring Break**	**Spring Break**
9 (3/20)	Chap 17& 18 - CV emergency & Respiratory emergency	RECOVER – Basic Life Support (BLS) RECOVER – Advanced Life Support (ALS) Assignment #5
10 (3/27)	Chap 19 & 20 – GI emergency & Metabolic/Endocrine emergency	Oxygen delivery – flowby, cage, hoods, nasal Assignment #6
11 (4/3)	Chap 21-22 – Urologic emergency, Reproduction emergency, Ocular emergency EX 4 (6 chaps – 17-22) Assignment #4	ECC topic- Heatstroke/HBCs/Trauma Assignment #7
12 (4/10)	Chap 23 & 24 – Ocular emergency & Neurologic emergency	ECC topic – Endocrine/Hemolytic Assignment #8
13 (4/17)	Chap 25 – Toxicologic emergency	ECC topic – Toxicities Assignment #9
14 (4/24)	Chap 26 & 27 - Avian/Exotic emergency, Disaster medicine EX 5 (5 chaps – 23-27) Assignment #5	ECC topic – CHF Assignment #10
15 (5/1)	**Review & Prep for Final**	**Review**
16 (5/8)	**Final Exam**	**Lab Final**

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