

Cover Sheet: Request 13900

VEM 5XXX Introduction to Emergency Medicine

Info

Process	Course New Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Amanda Larson smithal@ufl.edu
Created	5/3/2019 9:25:13 AM
Updated	12/10/2019 9:10:05 AM
Description of request	Request to create online course Introduction to Emergency Medicine as a requisite to the Veterinary Emergency Certificate Program.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	VM - Small Animal Clinical Sciences 312809000	Robert Whitley	I will yield to Dr. Adin, Lewis, and Estrata on these matters. But in my opinion I approve. Whitley	5/3/2019
Introduction to Emergency Medicine Syllabus.pdf					5/3/2019
College	Approved	VM - College of Veterinary Medicine	Juan Samper		5/3/2019
No document changes					
University Curriculum Committee	Commented	PV - University Curriculum Committee (UCC)	Lee Morrison	Added to the September agenda.	9/13/2019
No document changes					
University Curriculum Committee	Recycled	PV - University Curriculum Committee (UCC)	Casey Griffith	Please address comments from UCC review subcommittee.	9/17/2019
No document changes					
College	Approved	VM - College of Veterinary Medicine	Melissa Pett		10/28/2019
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			10/28/2019
No document changes					
Statewide Course Numbering System					
No document changes					
Office of the Registrar					
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					

Step	Status	Group	User	Comment	Updated
College Notified					
No document changes					

Course|New for request 13900

Info

Request: VEM 5XXX Introduction to Emergency Medicine

Description of request: Request to create online course Introduction to Emergency Medicine as a requisite to the Veterinary Emergency Certificate Program.

Submitter: Amanda Larson smithal@ufl.edu

Created: 10/18/2019 9:01:52 AM

Form version: 3

Responses

Recommended Prefix VEM

Course Level 5

Number XXX

Category of Instruction Introductory

Lab Code None

Course Title Introduction to Emergency Medicine

Transcript Title Intro Emergency Med

Degree Type Professional

Delivery Method(s) Online

Co-Listing No

Co-Listing Explanation Offered to professional students only

Effective Term Summer

Effective Year 2020

Rotating Topic? No

Repeatable Credit? No

Amount of Credit 1

S/U Only? No

Contact Type Regularly Scheduled

Weekly Contact Hours 1

Course Description Introduce the field of veterinary emergency and critical care to first year veterinary students through an online, case-based educational platform and discover different career paths in emergency medicine.

Prerequisites None

Co-requisites None

Rationale and Placement in Curriculum This course is offered to provide an overview of veterinary emergency medicine and serve as a requisite for completion of the Veterinary Emergency Certificate Program.

Course Objectives By the end of this course, students will be able to:

1. Learn about the various career paths for veterinarians in emergency and critical care medicine.
2. Understand the meaning and importance of veterinary triage with an emphasis on resource allocation.
3. Recognize a veterinary patient in shock and be able to determine type of shock and basic therapeutic plans to address such patients.
4. Understand the basic concepts involved in creating a patient-centered fluid therapy plan and be able to calculate basic fluid plans for emergency patients.
5. Recognize a patient in respiratory distress and be able to broadly localize the problem.
6. Learn about various ways to stabilize patients in respiratory distress.
7. Learn about common toxicities in the veterinary emergency room and how to treat specific toxicities.
8. Understand the basic approach to veterinary cardiopulmonary resuscitation and practice hands on skills in a clinical lab.

Course Textbook(s) and/or Other Assigned Reading Required course reading material will be provided within the course lessons. Supplemental articles and reading material will be provided in the within each module.

For module 6 (veterinary CPR), a supplemental reading assignment will be the RECOVER clinical guidelines on veterinary CPR (Fletcher DJ, Boller M, Brainard BM, et al RECOVER evidence and knowledge gap analysis on veterinary CPR Part 7: Clinical guidelines. J Vet Emerg Crit Care 22 (S1) 2012; S102-131. Other supplemental reading assignments will be evidence based veterinary emergency and critical care publications/review articles.

Weekly Schedule of Topics This course is delivered online through UF e-Learning (Canvas) using an interactive digital “textbook” divided into six Modules expected to require 2-3 hours (12-18 hours total) of student engagement time per module. Each Module includes interactive activities, readings, recordings, group discussions, and assignments to deepen student understanding as well as assess achievement. Faculty are available as resources throughout the course.

Module 1: What Is Emergency Medicine?

Students will explore the growing field of veterinary emergency medicine and learn about different career paths within the field. Students will be introduced to the concept of veterinary triage, learn about valuable resources in an emergency veterinary hospital, and learn about resource allocation.

Module 2: Shock and Fluids

Students will learn about the various types of shock veterinary patients develop and how to navigate the emergency room with quick bedside tests to help aid in the recognition of specific types of shock. Case-based examples of patients in shock will be discussed and different types of fluid resuscitation techniques to quickly treat such patients will be illustrated in case-based examples.

Module 3: Help...I Can't Breathe!

Students will learn about the various types of respiratory distress in veterinary patients and be able to quickly determine the most likely anatomic source of respiratory distress. Case-based discussion with introduce concepts regarding stabilizing respiratory patients, quick bedside diagnostics, introduction to drug calculations, and therapeutic interventions to aid in oxygenation and/or ventilation.

Module 4: My Patient Ingested What???

Students will be exposed to common toxicities presenting to the veterinary emergency room through case-based material, learn about what resources are available to emergency veterinarians to help treat specific toxins, and learn basic antidotes for common toxicants.

Module 5: Help...I Can't Pee!

Students will learn about urethral obstruction and acute kidney injury in a case-based platform. Management of severe electrolyte abnormalities, hypovolemia, post-obstruction diuresis, and the polyuric phase of acute kidney injury, and introduction to veterinary dialysis will be covered through a series of videos, mini-lectures, assignments, and group discussion.

Module 6: And Another One Bites the Dust...Veterinary CPR.

Students will be introduced to basic life support, advanced life support, post-resuscitation care, and the RECOVER guidelines through case-based examples of veterinary CPR.

Links and Policies <http://www.dso.ufl.edu/judicial/honorcodes/honorcode.php>

<https://evaluations.ufl.edu/evals/>

<http://www.dso.ufl.edu/drc/>

Grading Scheme Each module will be followed by a timed quiz that will be used to calculate 80% of your grade. Module assignments will account for 20% of your grade.

The standard university grading scale will be used:

94-99 % = A

90-93 = A-

88-89 = B+

84-87 = B

80-83 = B-

78-79 = C+

74-77 = C

70-73 = C-

68-69 = D+

64-67 = D

< 64 will result in a failing grade

Instructor(s) Dr. Ashley Allen-Durrance, Dr. Samantha Campos

University of Florida College of Veterinary Medicine Syllabus

I. Course Information

Number: VEM XXXX
Course Title: Introduction to Emergency Medicine
Department: Small Animal Clinical Sciences
Semester: Spring
Year: 1
Course Credit: 1

II. Instructor and Support Services Information

Title	Name	Contact Information
Course Coordinator	Ashley Allen-Durrance, DVM, DACVECC	Office location & office hours: VC-2 appointment Phone: (352) 228-9620; call or text Email: aeallen@ufl.edu
Course Faculty	Samantha Campos, DVM, DACVECC	Office location & office hours: VC-2 appointment Phone: office or cell? Email: scampos@ufl.edu
Technology Help	UF Help Desk	Web: http://helpdesk.ufl.edu/ Walk-in: HUB 132 Phone: (352) 392-HELP (4357) Email: helpdesk@ufl.edu
E-library/Course Reserves Help	Paul McDonough, UF Library West	Email: paulmed@uflib.ufl.edu

III. Course Description

Course Goals: Educational Goals of the Course

Introduce the field of veterinary emergency and critical care to first year veterinary students through an online, case-based educational platform and discover different career paths in emergency medicine.

Course Objectives:

By the end of this course, students will be able to:

1. Learn about the various career paths for veterinarians in emergency and critical care medicine.
2. Understand the meaning and importance of veterinary triage with an emphasis on resource allocation.
3. Recognize a veterinary patient in shock and be able to determine type of shock and basic therapeutic plans to address such patients.
4. Understand the basic concepts involved in creating a patient-centered fluid therapy plan and be able to calculate basic fluid plans for emergency patients.
5. Recognize a patient in respiratory distress and be able to broadly localize the problem.
6. Learn about various ways to stabilize patients in respiratory distress.
7. Learn about common toxicities in the veterinary emergency room and how to treat specific toxicities.
8. Understand the basic approach to veterinary cardiopulmonary resuscitation.

Course Outline

This course is delivered online through UF e-Learning (Canvas) using an interactive digital “textbook” divided into six Modules expected to require 2-3 hours (12-18 hours total) of student engagement time per module. Each Module includes interactive activities, readings, recordings, group discussions, and assignments to deepen student understanding as well as assess achievement. Faculty are available as resources throughout the course.

Module 1: What Is Emergency Medicine?

Students will explore the growing field of veterinary emergency medicine and learn about different career paths within the field. Students are introduced to the concept of veterinary triage, learn about valuable resources in an emergency veterinary hospital, and learn about resource allocation.

- **Assignment:** Veterinary Triage
 - 3 cases are presented and students will triage the cases while also defending their reasoning

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(via short answer) for the triage allocation.

Module 2: Shock and Fluids

Students will learn about the various types of shock veterinary patients develop and how to navigate the emergency room with quick bedside tests to help aid in the recognition of specific types of shock. Case-based examples of patients in shock will be discussed and different types of fluid resuscitation techniques to quickly treat such patients will be illustrated in case-based examples.

Module 3: Help...I Can't Breathe!

Students will learn about the various types of respiratory distress in veterinary patients and be able to quickly determine the most likely anatomic source of respiratory distress. Case-based discussion will introduce concepts regarding stabilizing respiratory patients, quick bedside diagnostics, introduction to drug calculations, and therapeutic interventions to aid in oxygenation and/or ventilation.

- Assignment: Respiratory localization
 - 3 cases are presented and students will determine the most likely respiratory localization based on information provided and video clips of the patients breathing.

Module 4: My Patient Ingested What???

Students will be exposed to common toxicities presenting to the veterinary emergency room through case-based material, learn about what resources are available to emergency veterinarians to help treat specific toxins, and learn basic antidotes for common toxicants.

- Assignment: Interactive matching game of toxin to specific treatment.
 - This assignment reviews the top 10 toxins with their specific treatment and/or antidote.

Module 5: Help...I Can't Pee!

Students will learn about urethral obstruction and acute kidney injury in a case-based platform. Management of severe electrolyte abnormalities, hypovolemia, post-obstruction diuresis, and the polyuric phase of acute kidney injury, and introduction to veterinary dialysis are covered through a series of videos, mini-lectures, an assignment, and group discussion.

- Assignment: Troubleshooting the urine bag in the first 24 hours.
 - Two feline patients present with contrasting histories, physical examinations, and laboratory findings. Both were unblocked successfully and you have come back to an empty urine bag in 2 hours. This group (2-4 students/group) assignment 5 short answer questions related to assessing the post-obstructed patient and creating a treatment/monitoring plan in the first 24 hours.

Module 6: And Another One Bites the Dust...Veterinary CPR.

Students are introduced to basic life support, advanced life support, post-resuscitation care, and the RECOVER guidelines through case-based examples of veterinary CPR.

- Assignment: CPR debriefing
 - Students will debrief a video veterinary CPR session to comment on what went well and what could be even better yet for the next CPR.

IV. Course Materials

Required course reading material will be provided within the course lessons. Supplemental articles and reading material will be provided within each module.

V. Evaluation/ Grading/ Testing

Each module will be followed by a timed quiz that will be used to calculate 80% of your grade. Module assignments will account for 20% of your grade.

The following grading scale will be used:

94-99 % = A
90-93 = A-
88-89 = B+
84-87 = B
80-83 = B-
78-79 = C+
74-77 = C
70-73 = C-
68-69 = D+
64-67 = D
< 64 will result in a failing grade

VI. Administrative Policies

See the UF Student Handbook for more information.

Remediation

The CVM Academic Advancement Committee reviews the academic performance of all students who receive a failing grade in a course, GPA falls below 2.0, receive “unsatisfactory” grade in criteria (including “readiness to practice”) or who is currently on probation. The committee will meet with the student and their advisor and decide on appropriate action for the student (including, but not limited to, probation or continuation of probation, repeat of semester or full year, dismissal). Full description of these policies can be found in the Student Services section of the Student Handbook.

Honesty Policy

All students registered at the University of Florida have agreed to comply with the following statement: “I understand that the University of Florida expects its students to be honest in all their academic work. I agree to adhere to this commitment to academic honesty and understand that my failure to comply with this commitment may result in disciplinary action up to and including expulsion from the University.” In addition, on all work submitted for credit the following pledge is either required or implied: “On my honor I have neither given nor received unauthorized aid in doing this assignment.” To review the student honor code please visit:

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Plagiarism

Plagiarism includes any attempt to take credit for another person’s work. This includes quoting directly from a paper, book, or website, without crediting the source. Sources should be noted, a link to the website added, or quotation marks placed around the material and attributed, even during online discussions. However, the instructor expects more than simply cutting and pasting in this graduate-level course. Students are expected to review, evaluate and comment on material they research, rather than simply copying relevant material. Work will be graded accordingly.

Professional Behavior

The College of Veterinary Medicine expects all students to be professional in their interactions with patients, colleagues, faculty, and staff and to exhibit caring and compassionate attitudes. These and other qualities will be evaluated during patient contacts and in other relevant settings by both faculty and peers. Behavior of a veterinary student reflects on a student’s qualification and potential to become a competent veterinarian. Attitudes or behaviors inconsistent with compassionate care; refusal by, or inability of, the student to participate constructively in learning or patient care; derogatory attitudes or inappropriate behaviors directed at clients, patients, peers, faculty or staff; misuse of written or electronic patient records (e.g., accession of patient information without a valid reason); substance abuse; failure to disclose pertinent information on a criminal background check; or other unprofessional conduct can be grounds for dismissal.

Student Evaluation of Instruction

Evaluations are performed electronically at the end of the course. To evaluate the instructors, visit the UF Evaluation site at: <https://evaluations.ufl.edu/evals/> .

Accommodations for Students with Disabilities

Students requesting accommodations must first register with the Dean of Students Office, Disability Resource Center at 352-392-8565. Students may also apply on-line for accommodations. For more information, see the Disability Resource Center website at: <http://www.dso.ufl.edu/drc/> . The Disability Resource Center will provide a letter to the student who must then meet with the course instructor to discuss the required accommodations. Once notification is complete, the instructor can work with the Disability Resource Center to provide the requested accommodations. To ensure that necessary accommodations are provided in a timely manner, it would expedite this process if any student who might need an accommodation would notify the course coordinator during registration.

VII. Other Information

Technology Requirements

- A desktop or laptop computer with high-speed internet access and multiple browsers other than Internet Explorer (Firefox, Google Chrome, or Safari). Apple iOS and tablets might not be completely compatible with e-learning at this time. Mobile apps do exist for accessing distance learning technologies; however, these mobile applications have some limitations compared to the desktop versions.
- Students must have Microsoft Office software installed and have basic skills for using Word, Excel, and PowerPoint. Students with a GatorLink ID have free access to Lynda.com for training and are able to download discounted/free software from the GatorCloud.

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- Canvas email will be used to communicate course-related issues. This is more likely to result in better communication with your classmates, TAs, instructors, and facilitators than emailing us personally. Using Canvas for course communication also helps us remain compliant with the student privacy FERPA regulations.

University of Florida College of Veterinary Medicine Syllabus

I. Course Information

Number: VEM XXXX
Course Title: Introduction to Emergency Medicine
Department: Small Animal Clinical Sciences
Semester: **Summer 2020**
Year: 1st or 3rd
Course Credit: 1

II. Instructor and Support Services Information

Title	Name	Contact Information
Course Coordinator	Ashley Allen-Durrance, DVM, DACVECC	<ul style="list-style-type: none">- Office location & office hours: VC-214, by appointment- Phone: (352) 228-9620; call or text- Email: aeallen@ufl.edu
Course Faculty	Samantha Campos, DVM, DACVECC	<ul style="list-style-type: none">- Office location & office hours: VC-212, by appointment- Phone: 862-485-0762- Email: scampos@ufl.edu
Technology Help	UF Help Desk	<ul style="list-style-type: none">- Web: http://helpdesk.ufl.edu/- Walk-in: HUB 132- Phone: (352) 392-HELP (4357)- Email: helpdesk@ufl.edu
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- Canvas email will be used to communicate course-related issues. This is more likely to result in better communication with your classmates, TAs, instructors, and facilitators than emailing us personally. Using Canvas for course communication also helps us remain compliant with the student privacy FERPA regulations.