EATM M180: ANIMAL HEALTH AND SAFETY FOR THE VETERINARY TECHNICIAN

Originator
lshapiro

College
Moorpark College

Attach Support Documentation (as needed)
RVT_Advisory_Meeting Minutes 11-22-19 v3.pdf
RVTProgramJustification.pdf
RVTProgramCourseRequirements.docx

Discipline (CB01A)
EATM - Exotic Animal Training Mgmt

Course Number (CB01B)
M180

Course Title (CB02)
Animal Health and Safety for the Veterinary Technician

Banner/Short Title
Anim Health and Safety for RVT

Credit Type
Credit

Honors
No

Start Term
Fall 2020

Catalog Course Description
Introduces the physiology of animals and the relationship to animal health. Emphasizes common animal diseases, their causes, prevention and control. Includes the treatment of wounds and the relation of sanitation to disease prevention.

Additional Catalog Notes
Course Credit Limitation: Completion of EATM M180 will meet the subject requirement for EATM M18. However, EATM M18 will not meet the subject requirement of EATM M180. Maximum credit: 3 units if completed both EATM M18 and EATM M180.

Taxonomy of Programs (TOP) Code (CB03)
0102.10 - *Veterinary Technician (Licensed)

Course Credit Status (CB04)
D (Credit - Degree Applicable)

Course Transfer Status (CB05) (select one only)
B (Transferable to CSU only)

Course Basic Skills Status (CB08)
N - The Course is Not a Basic Skills Course

SAM Priority Code (CB09)
C - Clearly Occupational

Course Cooperative Work Experience Education Status (CB10)
N - Is Not Part of a Cooperative Work Experience Education Program

Course Classification Status (CB11)
Y - Credit Course

Educational Assistance Class Instruction (Approved Special Class) (CB13)
N - The Course is Not an Approved Special Class

Course Prior to Transfer Level (CB21)
Y - Not Applicable

Course Noncredit Category (CB22)
Y - Credit Course

Funding Agency Category (CB23)
B - Partially Developed Using Economic Development Funds

Course Program Status (CB24)
1 - Program Applicable

General Education Status (CB25)
Y - Not Applicable

Support Course Status (CB26)
N - Course is not a support course

Field trips
Will not be required

Grading method
Letter Graded

Alternate grading methods
Credit by exam, license, etc.

Does this course require an instructional materials fee?
No

Repeatable for Credit
No

Is this course part of a family?
No

Units and Hours

Carnegie Unit Override
No

In-Class

Lecture
Minimum Contact/In-Class Lecture Hours
52.5
Maximum Contact/In-Class Lecture Hours
52.5

Activity

Laboratory

Total in-Class

Total in-Class
Total Minimum Contact/In-Class Hours
52.5
Total Maximum Contact/In-Class Hours
52.5

Outside-of-Class

Internship/Cooperative Work Experience

Paid

Unpaid

Total Outside-of-Class

Total Outside-of-Class
Minimum Outside-of-Class Hours
105
Maximum Outside-of-Class Hours
105

Total Student Learning

Total Student Learning
Total Minimum Student Learning Hours
157.5
Total Maximum Student Learning Hours
157.5

Minimum Units (CB07)
3
Maximum Units (CB06)
3

Limitations on Enrollment
Criminal background clearance
Drug and alcohol clearance
Fingerprint clearance
Current negative TB test or chest x-ray
Others (specify)
No visible tattoos or visible body piercings except single studs in earlobes

Other Limitations on Enrollment
1. Admission to either the Moorpark College RVT or EATM programs
2. Current tetanus vaccination

Student Learning Outcomes (CSLOs)

	Upon satisfactory completion of the course, students will be able to:
1	compare and contrast healthy and diseased animals in a veterinary medical context.
2	distinguish between selected diseases of the gastrointestinal tract, respiratory, reproductive, urinary, and circulatory systems based on history, physical examination, and diagnostic tests.

Course Objectives

	Upon satisfactory completion of the course, students will be able to:
1	define what constitutes state of health and disease with examples drawn from companion animal, food animal, zoo animal, and lab animal medicine.
2	describe basic nutrition in animals with a focus on the role of macronutrients and micronutrients.
3	identify difference between normal and abnormal physical exam findings in dogs and cats.
4	differentiate between major disinfectants and antiseptics to compare and contrast the positive and negative qualities of the major disinfectants and antiseptics.
5	compare and contrast humoral and cellular immunity.
6	name the difference between core and non-core vaccinations for dogs and cats.
7	describe diseases affecting each body system based on history, physical exam findings, and diagnostic tests.
8	distinguish between metabolic diseases based on history, physical examination, and diagnostic tests.
9	discuss the treatment plans to address metabolic diseases.
10	explain the difference among zoonotic diseases that are based on history, on physical examination, and on diagnostic tests.
11	explore various treatment plans to address zoonotic diseases.

Course Content

Lecture/Course Content

(5.7%) Introduction to Health and Safety:

--Describe general conditions of health and disease

--Define what constitutes states of health and disease with examples drawn from companion animal, food animal, zoo animal and lab animal medicine

(5.7%) Nutrition:

--Describe basic nutrition and identify macronutrients and micronutrients

--Describe the digestive process

--Explain cellular respiration and the relationship between nutrition and cellular energy

(5.7%) Physical exam:

--Describe how to perform a physical exam in a companion animal (dogs and cats).

--Explain how to conduct the physical exam in a logical, stepwise fashion

--Explain common medical findings, in health and disease, in the major body parts and systems

--Describe the use of the "SOAP" (Subjective and Objective observation, Assessment and Plan) method

(5.7%) Sanitation:

--Describe the principles of sanitation and the role it plays in maintaining animal health

--Describe the major disinfectants and antiseptics used in clinical veterinary medicine

(5.7%) Immune System:

--Describe the functions of the immune system and the organs and cells that are involved

(5.7%) Vaccination:

--Explain the vaccination process relative to animal immunity

--Describe the types of vaccinations common to veterinary practice.

--Detail the vaccinations that are recommended and not recommended for dogs and cats, equine patients, livestock, zoo animals

(48.7%) Survey of common body systems and associated diseases:

--Digestive, respiratory, musculoskeletal, urinary, cardiovascular, nervous and endocrine systems will be included

--Describe organs and functions of each system

--Describe disease states within each system using both large and small animal diseases as examples

(5.7%) Metabolic Diseases:

--Describe disease states of metabolism using both large and small animal diseases as examples

(5.7%) Zoonotic Diseases:

--Describe important zoonotic diseases using both large and small animal diseases as examples

(5.7%) Case Reports:

--Describe the composition of a case report and how it is used to document an animal medical case

Laboratory or Activity Content

n/a

Methods of Evaluation

Which of these methods will students use to demonstrate proficiency in the subject matter of this course? (Check all that apply):

Problem solving exercises
Written expression

Methods of Evaluation may include, but are not limited to, the following typical classroom assessment techniques/required assignments (check as many as are deemed appropriate):

Essay exams
Group projects
Individual projects
Objective exams
Oral presentations
Quizzes
Reports/papers
Research papers
Treatment plans

Instructional Methodology

Specify the methods of instruction that may be employed in this course

Collaborative group work
Class activities
Class discussions
Case studies
Demonstrations
Group discussions
Guest speakers
Instructor-guided interpretation and analysis
Instructor-guided use of technology
Internet research
Lecture
Small group activities

Describe specific examples of the methods the instructor will use:

PowerPoint presentations illustrating topics concerning zoonotic diseases. Instructor-guided interpretation and analysis of case reports, animal diseases, and wound assessments.

Representative Course Assignments

Writing Assignments

Compose case reports in the standardized format to document a veterinary medical case that includes signalment, chief complaint, pertinent medical history, diagnostic tests performed, diagnosis, treatment, and outcome.

Write two case reports detailing the course of disease in a large animal and a small animal.

Critical Thinking Assignments

Analyze the physical exam findings, diagnostic tests, and treatments in a given scenario to determine whether desired outcomes were met.

Critique the treatment plan for a given case scenario of a large animal with a metabolic disorder.

Reading Assignments

Read assigned chapters in the two textbooks that correspond to the topics covered on animal health and safety.

Read supplemental information posted on the online learning management system related to course lecture such as diagnosing zoonotic diseases.

Outside Assignments

Representative Outside Assignments

Conduct a literature review on zoonotic diseases in preparation for class discussions.

Research common metabolic diseases in large and small animals in preparation for classroom activities.

Articulation

Comparable Courses within the VCCCD
AG V65 - Animal Health and Disease Control

Equivalent Courses at other CCCs

College	Course ID	Course Title	Units
L.A. Pierce College	ANML SC 510	Animal Health and Disease Control	3

District General Education

A. Natural Sciences

B. Social and Behavioral Sciences

C. Humanities

D. Language and Rationality

E. Health and Physical Education/Kinesiology

F. Ethnic Studies/Gender Studies

Course is CSU transferable
Yes

CSU Baccalaureate List effective term:
FALL 2020

CSU GE-Breadth

Area A: English Language Communication and Critical Thinking

Area B: Scientific Inquiry and Quantitative Reasoning

Area C: Arts and Humanities

Area D: Social Sciences

Area E: Lifelong Learning and Self-Development

CSU Graduation Requirement in U.S. History, Constitution and American Ideals:

IGETC

Area 1: English Communication

Area 2A: Mathematical Concepts & Quantitative Reasoning

Area 3: Arts and Humanities

Area 4: Social and Behavioral Sciences

Area 5: Physical and Biological Sciences

Area 6: Languages Other than English (LOTE)

Textbooks and Lab Manuals

Description
Shapiro, Leland S. *Pathology and Parasitology for Veterinary Technicians*. 2nd ed., Cengage, 2009.

Description
Aiello, Susan, and Michael Moses. *Merck Veterinary Manual.* 11th ed., Merck, 2016.

Library Resources

Assignments requiring library resources
Research on animal health and safety issues.

Sufficient Library Resources exist
Yes

Example of Assignments Requiring Library Resources
Utilize the Library's print and online resources to research topics such as diseases in animals caused by nutritional deficiencies.

Primary Minimum Qualification
ANIMAL TRAINING & MANAGEMENT

Additional Minimum Qualifications

Minimum Qualifications
Agricultural Production

Additional local certifications required
RVT or DVM or PhD in related field preferred

Review and Approval Dates

Department Chair
12/05/2019

Dean
12/05/2019

Technical Review
01/31/2020

Curriculum Committee
02/04/2020

DTRW-I
02/13/2020

Curriculum Committee
MM/DD/YYYY

Board
03/10/2020

CCCCO
MM/DD/YYYY

DOE/accreditation approval date
MM/DD/YYYY