EATM M114: CLINICAL PROCEDURES IN ANIMAL CARE I

Originator
Ishapiro

College
Moorpark College

Attach Support Documentation (as needed)
RVTProgramJustification.pdf
RVTProgramCourseRequirements.docx

Discipline (CB01A)
EATM - Exotic Animal Training Mgmt

Course Number (CB01B)
M114

Course Title (CB02)
Clinical Procedures in Animal Care I

Banner/Short Title
Clinical Proc I

Credit Type
Credit

Honors
No

Start Term
Fall 2020

Catalog Course Description
Prepares veterinary technology students for practice in a small animal hospital by focusing on the areas of physical examination, medical record keeping, medication dose and fluid volume/rate calculations. Introduces the processes involved in administering and monitoring general anesthesia. Examines concepts of sterility for sterile procedures and the techniques and materials utilized for various suturing patterns to close surgical incisions.

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
35
Maximum Contact/In-Class Lecture Hours
35

Activity

Laboratory

Total in-Class

Total in-Class
Total Minimum Contact/In-Class Hours
35
Total Maximum Contact/In-Class Hours
35

Outside-of-Class

Internship/Cooperative Work Experience

Paid

Unpaid

Total Outside-of-Class

Total Outside-of-Class
Minimum Outside-of-Class Hours
70
Maximum Outside-of-Class Hours
70

Total Student Learning

Total Student Learning
Total Minimum Student Learning Hours
105
Total Maximum Student Learning Hours
105

Minimum Units (CB07)
2
Maximum Units (CB06)
2

Prerequisites
EATM M110, EATM M110L

Corequisites
EATM M114L

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 the Moorpark College Registered Veterinary Technology Program
2. Current tetanus vaccination

Entrance Skills

Entrance Skills
EATM M110
1. discuss the etiology, symptoms, treatment, veterinary care, and preventive measures for common infectious, zoonotic and systemic diseases of small animals.
2. explain the vaccination concepts related to small animals.
3. identify the components of a wellness program for dogs and cats and explain the importance of preventative care.
4. describe the prevention of infectious disease transmission in the veterinary setting.
5. discuss the spread of parasites between animals and humans.

EATM M110L
1. perform hands-on skills to provide competent and compassionate care such as otic, ophtalmic, dermal, gastrointestinal, and urinary procedures to small companion animals.
2. utilize and maintain various instruments, equipment and supplies used in the assessment and treatment of small animals.
3. use proper technique to position small animals for auscultation, palpation, and other assessments of body systems.
4. demonstrate standard precautions to prevent the transmission of infectious diseases.
5. demonstrate proper technique in administering vaccinations to small companion animals.

6. demonstrate safe technique in performing injections and venipunctures.

Requisite Justification

Requisite Type
Prerequisite

Requisite
EATM M110, EATM M110L

Requisite Description
Course in a sequence

Level of Scrutiny/Justification
Required by statute or regulation

Requisite Type
Corequisite

Requisite
EATM M114L

Requisite Description
Course in a sequence

Level of Scrutiny/Justification
Closely related lecture/laboratory course

Requisite Type
Enrollment Limitation

Requisite
1. Criminal background clearance; 2. Current negative TB test or chest x-ray; 3. Drug and alcohol clearance; 4. Fingerprint clearance; 5. No visible tattoos or visible body piercings except single studs in earlobes. Other: 1. Admission to the Moorpark College Registered Veterinary Program; 2. Current tetanus vaccination

Requisite Description
Credit program requisite (credit only)

Level of Scrutiny/Justification
Required by statute or regulation

Student Learning Outcomes (CSLOs)

	Upon satisfactory completion of the course, students will be able to:
1	discuss the importance of obtaining a complete history and performing a physical examination in evaluating the animal's health status as part of the diagnostic process.
2	calculate medication dosages, including fluid therapy related the animal's prescription.

Course Objectives

	Upon satisfactory completion of the course, students will be able to:
1	discuss the legal, ethical and medical importance of medical records.
2	describe the use and function of the POMR (Problem-oriented medical record) system of medical record keeping.
3	identify pertinent information needed to obtain an accurate patient history on the animal.
4	describe the various parts of the physical examination that are necessary to determine a diagnosis.
5	describe the mathematical functions used to calculate medication dosages.
6	discuss the type of medications and route of administration that are safe for various disorders in animals.

7	explain the types of fluid administered to animals for fluid resuscitation.
8	describe the set-up of fluid delivery equipment in terms of threading the tubing and entering the volume and rate for infusion.
9	describe the various types of anesthesia, their administration, uses and effects.
10	identify the various pieces of anesthetic monitoring equipment and their function.
11	describe normal and abnormal vital signs and reflexes during local and general anesthesia.
12	explain the mechanism of wound healing and the factors that delay or promote wound healing.
13	recognize commonly used suture materials, patterns, and indications for use.
14	describe the concepts of sterility for surgical procedures and evaluate the role of the surgical veterinary technician in maintenance of sterility.
15	discuss signs of dental disease in small animals to differentiate between normal and abnormal dental conditions that require dental procedures.
16	identify dental instrumentation by name, function and application.

Course Content

Lecture/Course Content

(5.7%) Record Keeping
(5.7%) Patient's History
(10%) Physical Examination Findings
(11.4%) Medical Mathematics
(11.4%) Dosage Calculations
(11.4%) Fluid Therapy
(11.4%) General Anesthesia
(11.4%) Anesthetic Instrumentation
(10%) Anesthetic Monitoring
(11.6%) Wound Healing and Management

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
Mathematical proofs
Objective exams
Problem-solving exams
Quizzes
Reports/papers
Research papers

Instructional Methodology

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

Computer-aided presentations
Collaborative group work
Class activities
Class discussions
Case studies
Demonstrations
Group discussions
Lecture

Describe specific examples of the methods the instructor will use:
In addition to oral instruction, the instructor will play selected podcasts and invite and facilitate class discussion. Webinars may also be used in the instruction process.

Representative Course Assignments

Writing Assignments
Write an essay on the mechanism of wound healing and the factors that delay or promote wound healing.
Write a plan of care for the small animal based on its medical history, physical examination, and diagnostic findings.

Critical Thinking Assignments
Analyze the effects of medication combinations and develop a medication monitoring plan to prevent complications.
Evaluate the medical management case scenario to identify the best plan of care for the small animal.

Reading Assignments
Read pages from the required textbooks related to clinical procedures in small animals.
Read online, peer-reviewed, veterinary, medicine journal articles on such topics as how to design the best recovery program for an animal after surgery.

Outside Assignments

Representative Outside Assignments
Complete worksheets on dosage calculations of medications and infusion rates for fluid therapy.
Write a capstone paper on the medical treatment of animals on a given animal specie and disorder.

Articulation

Comparable Courses within the VCCCD
AG V71 - Basic Veterinary Clinical Procedures

Equivalent Courses at other CCCs

College	Course ID	Course Title	Units
L.A. Pierce College	ANML SC 420	Clinical Procedures in Animal Care I	2

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

Bassert, Joanna, Angela Beal, and Oreta Samples. *McCurnin's Clinical Textbook for Veterinary Technicians.* 9th ed., Elsevier, 2017.

Description

Wanamaker, Boyce, and Kathy Massey. *Applied Pharmacology for Veterinary Technicians*. 5th ed., Saunders, 2014.

Description

Thomas, John, and Phillip Lerche. *Anesthesia and Analgesia for Veterinary Technicians*. 5th ed., Mosby, 2016.

Library Resources

Assignments requiring library resources

Use of the Library's print and online resources on medical therapies and veterinary care for various disorders in animals

Sufficient Library Resources exist

Yes

Example of Assignments Requiring Library Resources

Students will be assigned to read current journal articles depicting veterinary nursing care post-surgery, new digital means of record keeping, and what is required to be kept on these records and workplace safety for veterinary technicians.

Primary Minimum Qualification

ANIMAL TRAINING & MANAGEMENT

Additional Minimum Qualifications

Minimum Qualifications
Biological Sciences

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

Review and Approval Dates

Department Chair
12/06/2019

Dean
12/09/2019

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