EATM M125: CLINICAL EXPERIENCE FOR VETERINARY TECHNICIANS

Originator
lshapiro

College
Moorpark College

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

Discipline (CB01A)
EATM - Exotic Animal Training Mgmt

Course Number (CB01B)
M125

Course Title (CB02)
Clinical Experience for Veterinary Technicians

Banner/Short Title
Clin Exper for Vet Technician

Credit Type
Credit

Honors
No

Start Term
Fall 2020

Catalog Course Description
Provides students the opportunity to integrate extensive class work and outside clinical work in a veterinary setting. Explores non-technical topics such as grief counseling, career development, practice management, and the human - animal bond. Focuses particularly on expanding student acquisition of medical terminology. Allows students to participate in a variety of clinical experiences encompassing multiple aspects of veterinary technology.

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 be required

Faculty notes on field trips; include possible destinations or other pertinent information
Students will be required to work at least 105 hours at a veterinary clinic/hospital approved by the college and program.

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
8.75
Maximum Contact/In-Class Lecture Hours
8.75

Activity

Laboratory
Minimum Contact/In-Class Laboratory Hours
131.25
Maximum Contact/In-Class Laboratory Hours
131.25

Total in-Class

Total in-Class
Total Minimum Contact/In-Class Hours
140
Total Maximum Contact/In-Class Hours
140

Outside-of-Class

Internship/Cooperative Work Experience

Paid

Unpaid

Total Outside-of-Class

Total Outside-of-Class
Minimum Outside-of-Class Hours
17.5
Maximum Outside-of-Class Hours
17.5

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

Prerequisites
EATM M112, EATM M112L, EATM M121L, EATM M124, EATM M124L

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 M112
1. discuss triage protocols for emergency and critical situations in animals.
2. describe the principles of first aid for companion animals.
3. identify the various waveforms and components of the electrocardiogram (ECG) to determine normal and abnormal ECG patterns for various animal species.
4. discuss the care provided to critically ill dogs and cats.
5. explain the basic pharmacokinetics of the medications administered to birds, reptiles, dogs, and cats.

6. classify different types of medications by name, use, and action.
7. describe adverse reactions and contraindications to various categories of medications used to treat birds, reptiles, dogs, and cats.
8. describe the various routes of medication administration for birds, reptiles, dogs, and cats.
9. discuss basic husbandry and wellness programs for birds and reptiles.
10. describe the management of wounds, burns, and fractures in small animals.

EATM M112L
1. participate in the triage of small animal emergencies and critical situations.
2. demonstrate proper technique for inserting intravenous (IV) catheters in the limb veins of dogs and cats.
3. assist in the application of bandages and splints for dogs, cats, birds, and reptiles.
4. perform proper cardiopulmonary resuscitation (CPR) and other life saving measures for dogs and cats during a simulation.
5. demonstrate the correct set-up to administer a blood transfusion to dogs and cats.
6. interpret medication prescriptions for dogs and cats in order to administer the right medication to the right animal with the right dose, right route, and right time (frequency).
7. interpret medication orders to fill prescriptions for dogs and cats.
8. utilize proper techniques to capture and restrain birds, reptiles, and other companion exotic animals.
9. demonstrate safe technique for injection and blood collection from companion and small exotic animals.
10. demonstrate correct electrode placement on dogs and cats to perform an electrocardiogram (ECG).
11. participate in the diagnostic testing and therapeutic treatment of birds and reptiles.
12. demonstrate safe medication administration to birds and reptiles.

EATM M121L
1. function competently in the role of the veterinary technician in a large animal medical practice.
2. identify common poisonous plants to equine and ruminant animals.
3. demonstrate the technique to safely retrain small ruminant animals based on the behavior, anatomy, and physiology of the animals.
4. demonstrate correct technique to restrain horses considering equine behavior, anatomy. and physiology.
5. demonstrate proper technique of retraining cows based on bovine behavior, anatomy, and physiology.
6. demonstrate correct technique in performing a physical examination on equine, bovine, and small ruminant animals.
7. perform routine preventative veterinary nursing techniques for common diseases in equine, bovine, and small ruminants according to the veterinarian's order.

EATM M124
1. describe proper husbandry care for the common laboratory animal species of mice, rats, rabbits, guinea pigs, and primates.
2. describe common restraint techniques for medical procedures by applying principles of laboratory animal behavior, anatomy, and physiology.
3. explain the importance of laboratory animal medicine to improved health of both humans and companion animals.
4. describe the role of the veterinary technician in biomedical research.
5. discuss the rules, laws, and guidelines for the care and handling of laboratory animals.
6. state the regulations pertaining to the caging and facilities for laboratory animals.
7. explain the physiology, physical examination, and therapeutics for the laboratory animals of primates, rabbits, mice, guinea pigs, and non-traditional animals.

EATM M124L
1. discuss the significance of lab animal medicine and how it is used to advance biomedical knowledge.
2. demonstrate the tasks commonly performed by a veterinary technician in a lab animal setting.
3. design a husbandry plan for the common laboratory animal species.
4. demonstrate proper husbandry care for the common laboratory animal species of mice, rate, rabbits, guinea pigs, and primates.
5. demonstrate common restraint techniques of laboratory animals to perform medical procedures.
6. Follow the rules, laws, and guidelines for laboratory animals while in the laboratory animal setting.

Requisite Justification

Requisite Type

Prerequisite

Requisite

EATM M112, EATM M112L, EATM M121L, EATM M124, EATM M124L

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Required by statute or regulation

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	utilize the knowledge and skills gained in veterinary technology classes to carry out medical orders, perform routine veterinary tasks and participate in front office duties.
2	demonstrate increased proficiency in the skills needed for surgical assistance, delivering and monitoring anesthesia, and dental prophylaxis.

Course Objectives

	Upon satisfactory completion of the course, students will be able to:
1	discuss the basic laws (federal, state and local) affecting the veterinary technology profession.
2	write a cover letter and professional resume.
3	participate in mock interviews as the interviewer and interviewee.
4	explain the Cal/OSHA (California Occupational Safety and Health Act) regulations as they pertain to a veterinary hospital.
5	explain and facilitate the grieving process.
6	describe domestic animal behavior patterns.
7	demonstrate proficiency in the use of medical terminology.
8	list career advancement opportunities for registered veterinary technicians.
9	demonstrate methods of restraint for common domestic animals required in performing a physical examination of a veterinary patient.
10	review procedures and protocols for animal care in a veterinary hospital, including pediatrics and geriatrics, and vaccine protocols for common domestic species.
11	discuss nutritional requirements of healthy domestic animals including special diets required as treatment modality for various diseases and conditions.
12	review nursing care for ill and injured veterinary patients.
13	review radiation safety, terminology, positioning, x-ray production, film processing and troubleshooting.
14	review anesthetic agents, delivery systems and complications.
15	perform aseptic techniques, surgical procedures, instrumentation, and surgical assisting.
16	review principles of triage, emergency response, and treatment.
17	review pharmacokinetics, classes of drugs, prescriptions, and dosage calculations.

Course Content

Lecture/Course Content

(3.8%) Laws
(1.9%) Cover Letter and Resume Construction
(1.9%) Interview Skills
(3.8%) Communication Skills
(3.8%) Basic Office Procedures
(5.7%) Cal/OSHA Regulations
(5.7%) Grief Counseling
(7.6%) Animal Behavior

(1.9%) Career Options

(18%) Medical Terminology

(18.3%) Review on Restraint, Physical Exam, Animal Care, Vaccines, Nutrition, Dentistry, Radiography, Emergency and Critical Care, Pharmacology

(19%) Case Studies

(8.6%) Review of Previous Skills and Courses to Prepare for State and National Board Licensure Exams

Laboratory or Activity Content

(25%) Husbandry, handling, physical examinations, and veterinary nursing therapeutics for small companion and exotic animals, large animals, and laboratory animals

(25%) clinical therapeutic procedures for small companion domestic and exotic animals

(25%) Nursing care of large animals

(15%) emergency triage, nursing care, pharmacology for critically ill companion domestic and exotic animals

(10%) Anesthetic and dental procedures

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
Skills demonstrations
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):

Clinical demonstration
Group projects
Individual projects
Journals
Laboratory activities
Laboratory reports
Oral analysis/critiques
Oral presentations
Portfolios
Quizzes
Reports/papers
Research papers
Skills demonstrations
Skill tests
Treatment plans

Instructional Methodology

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

Collaborative group work
Clinical demonstrations
Class activities
Class discussions
Case studies
Demonstrations
Field experience/internship
Group discussions
Guest speakers
Instructor-guided interpretation and analysis
Instructor-guided use of technology
Internet research
Laboratory activities
Lecture
Practica
Small group activities

Describe specific examples of the methods the instructor will use:

Demonstrate the American Veterinary Medical Association (AVMA) skills and provide guidance as necessary.

Observe student performance of skills and provide feedback to assist students with mastery of the skills.

Use systematic approach to assist students in the interpretation and analysis of data.

Representative Course Assignments

Writing Assignments

Write a summary of each anesthetic and dental procedures performed on the assigned animal patient.

Write a self evaluation at the end of the course.

Write a 6-8 page research paper detailing a case report on an assign animal patient.

Critical Thinking Assignments

Write a 6-8 page research paper detailing a case report on one of the assigned animal patients that includes medical history, presenting signs and symptoms, lab and diagnostic test results, treatment, evaluation of outcomes (animal's response to treatment) and client education.

Critique the treatment plan of an animal patient for best practices.

Reading Assignments

Read relevant chapters in the Comprehensive Review prior to coming to class.

Read relevant passages in California Veterinary Medicine Practice Act.

Skills Demonstrations

Demonstrate skills from the American Veterinary Medical Association (AVMA) skill list for veterinary technicians such as:

1. Administer oral and topical medications, and subcutaneous and intramuscular injections.
2. Suture cutaneous and subcutaneous tissues, gingiva and oral mucous membranes.
3. Apply casts and splints.

Outside Assignments

Representative Outside Assignments

Complete worksheets on practice questions for the Registered Veterinary Technician Licensure Examination.

Write a cover letter and resume to include in the portfolio.

Articulation

Equivalent Courses at other CCCs

College	Course ID	Course Title	Units
L.A. Pierce College	ANML SC 480	Clinical Experience for Veterinary Technician I	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

Tighe, Monica, and Marg Brown. *Comprehensive Review for Veterinary Technicians. 5th ed., Mosby, 2019.*

Description

Prendergast, Heather. *Review Questions and Answers for Veterinary Technicians*. 5th ed., Mosley, 2016.

Description

"California Veterinary Medicine Practice Act." LexisNexis/Michie, 2015.

Description

Taibo, Angela. *Veterinary Medical Terminology: Guide and Workbook*. 2nd., Wiley-Blackwell, 2019.

Description

Romich, Janet Amundson. *An Illustrated Guide to Veterinary Medical Terminology*. 4th ed., Cengage Learning, 2014.

Description

Christenson, Dawn. *Veterinary Medical Terminology*. 3rd ed., Saunders, 2019.

Description

Complete Test Preparation Veterinary Technician Exam. 2nd ed., Learning Express, 2014.

Library Resources

Assignments requiring library resources

Resources on preparing for the Veterinary Technician Licensure Examination.

Sufficient Library Resources exist
Yes

Example of Assignments Requiring Library Resources
Utilize Library's print and online resources to research topics such as career opportunities for registered veterinary technicians and how best to prepare for interviews.

Primary Minimum Qualification
ANIMAL TRAINING & MANAGEMENT

Additional Minimum Qualifications

Minimum Qualifications
Biological Sciences

Additional local certifications required
RVT or DVM

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