

EATM M116L: CLINICAL PROCEDURES IN ANIMAL CARE II LABORATORY

Originator

Ishapiro

College

Moorpark College

Attach Support Documentation (as needed)

RVTProgramJustification.pdf

RVTProgramCourseRequirements.docx

Discipline (CB01A)

EATM - Exotic Animal Training Mgmt

Course Number (CB01B)

M116L

Course Title (CB02)

Clinical Procedures in Animal Care II Laboratory

Banner/Short Title

Clin Pro II Lab

Credit Type

Credit

Honors

No

Start Term

Fall 2020

Catalog Course Description

Provides practical experience in surgical preparation, anesthesia, and assisting with surgical procedures on animals. Focuses on the surgical procedures performed on dogs and cats.

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

May be required

Faculty notes on field trips; include possible destinations or other pertinent information

Students may be required to participate in laboratory exercises at local veterinary clinics and or hospitals.

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

Activity

Laboratory

Minimum Contact/In-Class Laboratory Hours

52.5

Maximum Contact/In-Class Laboratory Hours

52.5

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

Total Student Learning**Total Student Learning****Total Minimum Student Learning Hours**

52.5

Total Maximum Student Learning Hours

52.5

Minimum Units (CB07)

1

Maximum Units (CB06)

1

Prerequisites

EATM114 and EATM M114L

Corequisites

EATM M116

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 M114

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.

EATM M114L

1. handle safely and restrain small animals for various veterinary procedures.
2. obtain an accurate patient history from the owner.
3. perform a physical examination and interpret results on companion animals.
4. construct and enter data into medical records, both written and digital.
5. perform basic maneuvers in a veterinary software package.
6. correctly administer medication via parenteral routes.
7. correctly perform venipuncture for blood collection and intravenous (IV) administration.
8. accurately calculate drug dosages.
9. perform endotracheal intubation on a dog and cat.
10. perform a cystocentesis on a male and female dog and cat.
11. insert an intravenous (IV) catheter; calculate fluid rates and administer fluids.
12. operate safely and maintain anesthetic equipment.
13. operate and maintain anesthetic monitoring equipment.
14. perform a necropsy on a small animal and identify normal and abnormal anatomy.
15. place a cast on a small animal.
16. demonstrate aseptic technique and correctly execute sterile transfer methods.

Requisite Justification

Requisite Type

Prerequisite

Requisite

EATM M114, EATM M114L

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Required by statute or regulation

Requisite Type

Corequisite

Requisite

EATM M116

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	demonstrate competency in entry-level surgical veterinary technician tasks.
2	demonstrate competency in selecting and utilizing appropriate anesthetic monitoring equipment.

Course Objectives

Upon satisfactory completion of the course, students will be able to:	
1	demonstrate ability to clean, sort, and pack surgical instruments for sterilization in an autoclave.
2	administer cardiopulmonary cerebral resuscitation (CPCR).
3	admit, obtain history, and examine animals for surgery.
4	restrain animals for surgical procedures.
5	demonstrate proper techniques for scrubbing, gowning, and gloving for surgery.
6	prepare the patient for surgery, including intravenous (IV) catheter placement, skin preparation, and positioning.
7	calculate and safely administer drugs.
8	induce and maintain animals safely with inhalation anesthetic agents.
9	monitor animals under anesthesia using mechanical and manual techniques.
10	assist veterinary surgeon in both a sterile and non-sterile environment.
11	suture existing skin incisions.
12	recover and discharge animals after surgery.

Course Content**Lecture/Course Content**

n/a

Laboratory or Activity Content

(6.7%) Introduction to Surgical Instrumentation

(6.7%) Review of Veterinary Software Program

(6.7%) Techniques for Administering Cardiopulmonary Cerebral Resuscitation (CPCR)

(6.7%) Suture Patterns

(6.7%) Aseptic Technique and Sterile Transfer

(6.7%) Pack Preparation and Autoclaving

(59.8%) Surgery: Students will rotate through each task at least once per semester

–Admit and examine surgical patients

–Calculate and administer the dosage for pre-anesthesia drugs and anesthetic induction agents

–Calculate and administer the dosage for analgesic drugs

–Safely induce and maintain patients with inhalation anesthetic agents

–Monitor patients under anesthesia using manual and mechanical techniques

–Assist the veterinary surgeon in both a sterile and non-sterile environment

–Suture existing skin incisions

–Recover and discharge surgery patients

–Prepare patients for surgery, including IV catheter placement, skin prep, and positioning

–Scrub, gown, and glove for surgery

–Clean, sort and pack surgical instruments and gowns for sterilization

–Operate autoclave

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 presentations
 Reports/papers
 Skills demonstrations
 Skill tests
 Simulations
 Treatment plans

Instructional Methodology

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

Collaborative group work
 Clinical demonstrations
 Case studies
 Demonstrations
 Field experience/internship
 Instructor-guided interpretation and analysis
 Laboratory activities
 Small group activities

Describe specific examples of the methods the instructor will use:

Faculty-led discussions on proper procedure in preparing animals for surgery.
 Observations and providing feedback on student performance of skills in the veterinary surgical setting.

Representative Course Assignments

Writing Assignments

Write lab preparation sheets on a weekly basis.
 Document the animal's recovery from surgery in the medical record at the facility.

Critical Thinking Assignments

Develop an anesthetic plan for each surgical animal patient.
 Compose a recovery plan for each surgical animal patient.

Reading Assignments

Review textbooks prior to lab to prepare for weekly tasks.
 Read postings on the online learning management system pertaining to surgical procedures performed on animals.

Skills Demonstrations

Demonstrate and evaluate skills from the American Veterinary Medical Association (AVMA) Skills Check List such as the correct method of administering inhalation anesthetics to various species by size, age, and disorder.
 Demonstrate proper calculation of anesthetic agents.

Outside Assignments

Articulation

Comparable Courses within the VCCCD

AG V72 - Advanced Veterinary Clinical Procedures

Equivalent Courses at other CCCs

College	Course ID	Course Title	Units
L.A. Pierce College	ANML SC 423	Clinical Proc in Animal Care II Lab	1

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. *McCurnin's Clinical Textbook for Veterinary Technicians*. 9th ed., Saunders, 2018.

DescriptionThomas, John, and Philip Lerche. *Anesthesia and Analgesia for the Veterinary Technician*. 5th ed., Mosby, 2016.

Library Resources**Assignments requiring library resources**

Research case reports for animal surgical procedures using the Library's print and online resources.

Sufficient Library Resources exist

Yes

Example of Assignments Requiring Library Resources

Utilize the Library's print and online resources to complete the anesthetic and recovery plan for each animal surgical case.

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

12/07/2019

Dean

12/09/2019

Technical Review

01/31/2019

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