

# EATM M121L: LARGE ANIMAL NURSING LABORATORY

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**Originator**

Ishapiro

**College**

Moorpark College

**Attach Support Documentation (as needed)**

RVTProgramJustification.pdf

RVTProgramCourseRequirements.docx

**Discipline (CB01A)**

EATM - Exotic Animal Training Mgmt

**Course Number (CB01B)**

M121L

**Course Title (CB02)**

Large Animal Nursing Laboratory

**Banner/Short Title**

Large Animal Nursing Lab

**Credit Type**

Credit

**Honors**

No

**Start Term**

Fall 2020

**Catalog Course Description**

Provides students with hands-on practical experience in performing procedures and husbandry practices common to large animal species. Includes extensive practice in handling and restraint of animals to perform physical examinations and veterinary nursing procedures.

**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**

Field trips may be required in order to provide hands-on training with large animals (equine, bovine, caprine, porcine)

**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**

105

**Maximum Contact/In-Class Laboratory Hours**

105

**Total in-Class**

**Total in-Class**

**Total Minimum Contact/In-Class Hours**

105

**Total Maximum Contact/In-Class Hours**

105

**Outside-of-Class****Internship/Cooperative Work Experience**

Paid

Unpaid

**Total Outside-of-Class****Total Outside-of-Class****Minimum Outside-of-Class Hours**

0

**Maximum Outside-of-Class Hours**

0

**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 M100, EATM M110, EATM M110L, EATM M180

**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 M101

1. identify key behavioral traits of livestock.

2. outline the various livestock industries, locally, within the state, nation, and world.

3. describe the modern animal welfare and husbandry methods of raising livestock for food and fiber.

4. describe the economic considerations made by livestock leaders in producing food and fiber in the United States.

5. identify best practices for feeding and management strategies for livestock and poultry.

6. identify and discuss current issues affecting animal care, welfare, and agriculture.

7. explain basic strategies for disease control and prevention.

8. describe the function of major body systems in animals.

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.

EATM M180

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 between zoonotic diseases based on history, physical examination, and diagnostic tests.
11. Explore various treatment plans to address zoonotic diseases.

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## Requisite Justification

### Requisite Type

Prerequisite

### Requisite

EATM M101, EATM M110, EATM M110L

### Requisite Description

Course in a sequence

### Level of Scrutiny/Justification

Required by statute or regulation

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### 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

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## Student Learning Outcomes (CSLOs)

Upon satisfactory completion of the course, students will be able to:

- |   |   |
|---|---|
| 1 | demonstrate proper technique to successfully restrain ruminants and horses.   |
| 2 | demonstrate the ability to carry out appropriate therapeutic nursing techniques based on the directions of the veterinarian and the characteristics of the ruminant and equine patient. |

## Course Objectives

Upon satisfactory completion of the course, students will be able to:	
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 restrain 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.

## Course Content

### Lecture/Course Content

n/a (laboratory course)

### Laboratory or Activity Content

- (1.8%) Safety procedures and scope of expectations
- (3.8%) Overview of large animal medicine
- (3.8%) Role of the veterinary technician in large animal medical practice
- (8%) Perform work hours at an approved veterinary clinic or hospital under the direct supervision of a California licensed veterinarian or Registered Veterinary Technician (RVT)
- (25.7%) Complete a tier-based set of veterinary assistant skills based on existing skill level
- (5.7%) Small ruminant physiology, restraint, and physical examination
  - (3.8%) Common procedures performed in small ruminant medicine
  - (3.8%) Nursing techniques for small ruminants
- (2%) Small ruminant reproduction
- (2%) Diseases of small ruminants
- (5.7%) Equine physiology, restraint, and physical examination
  - (5.7%) Nursing techniques for equine patients
  - (5.7%) Common procedures performed in equine medicine
  - (2%) Diseases of the equine patient
- (5.7%) Bovine physiology, restraint, and physical examination
  - (3.8%) Common procedures performed in large ruminant medicine
  - (3%) Nursing techniques for large ruminants
  - (2%) Diseases of large ruminants
- (2%) Swine physiology, restraint, and physical examination
  - (2%) Nursing techniques and common procedures for swine
  - (2%) Poisonous plant identification

## Methods of Evaluation

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

- 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
- Performances
- Skills demonstrations

Skill tests  
Simulations

## 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  
Field trips  
Laboratory activities  
Practica  
Small group activities

### Describe specific examples of the methods the instructor will use:

Provide safety procedures and scope of expectations.

Set up hands-on clinical experiences allowing students to perform clinical hours at an approved veterinary clinic or hospital under the direct supervision of a California licensed veterinarian or Registered Veterinary Technician (RVT).

Set up hands-on clinical experiences allowing students to complete a tier-based set of large animal veterinary skills.

## Representative Course Assignments

### Writing Assignments

Write documentation of physical examination of ruminants and equine patients.  
Prepare lab reports for each large animal group assigned at the veterinary clinical setting.

### Critical Thinking Assignments

Assess animal health and produce physical examination reports for animals such as sheep or pigs.  
Develop appropriate therapeutic nursing techniques based on the physical examination of the large animal and veterinarian's order.

### Reading Assignments

Read chapters from textbook that coincide with lecture topics on large animal nursing.  
Read current veterinary publications that are posted on the learning management system on such topics as how to perform a physical examination of a horse.

### Skills Demonstrations

Demonstrate safe technique in retraining equine and ruminant animals in order to perform nursing procedures.  
Demonstrate proper technique for performing a physical examination on small ruminant animals.

## Outside Assignments

### Representative Outside Assignments

n/a

## Articulation

### Comparable Courses within the VCCCD

AG V69 - Principles of Large Animal Nursing

### Equivalent Courses at other CCCs

College	Course ID	Course Title	Units
L.A. Pierce College	ANML SC 441	Large Animal Nursing Laboratory	2

### Attach Syllabus

Externship Skills ListPenn.pdf

**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**Holtgrew-Bohling, Kristin. *Large Animal Clinical Procedures for Veterinary Technicians*. 4th ed., Mosby, 2019.

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

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**Library Resources****Assignments requiring library resources**

Research on large animal nursing

**Sufficient Library Resources exist**

Yes

**Example of Assignments Requiring Library Resources**

Utilize library print and online resources to research topics such as common diseases and treatment of ruminant animals.

**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**

01/31/2020

**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