

EATM M120L: ANATOMY AND PHYSIOLOGY OF ANIMALS LABORATORY

Originator

Ishapiro

College

Moorpark College

Attach Support Documentation (as needed)

RVTProgramCourseRequirements.docx

Discipline (CB01A)

EATM - Exotic Animal Training Mgmt

Course Number (CB01B)

M120L

Course Title (CB02)

Anatomy and Physiology of Animals Laboratory

Banner/Short Title

Anat & Physio of Animals Lab

Credit Type

Credit

Honors

No

Start Term

Fall 2021

Catalog Course Description

Provides practical experience discovering principles and structures associated with the anatomy and physiology of animals. Includes microscope work and dissection of the cat. Covers basic suturing techniques to close 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

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

EATM M101

Corequisites

EATM M120

Limitations on Enrollment

Criminal background clearance

Drug and alcohol 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

Requisite Justification**Requisite Type**

Prerequisite

Requisite

EATM M101

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Required by statute or regulation

Requisite Type

Corequisite

Requisite

EATM M120

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 proper methods of dissection and necropsy on a cat cadaver identifying key anatomical structures as defined by Registered Veterinary Technology and Pre-Veterinary Program guidelines.
2	trace the flow of blood through the heart of both an adult and a fetus and describe the differences in anatomy and physiology (function).
3	demonstrate at least two types of sutures.

Course Objectives

Upon satisfactory completion of the course, students will be able to:	
1	distinguish the parts of the brain and major nerves and describe their functions.
2	utilize microscopes and photographs to identify and describe the location and function of epithelial, muscular, nervous, and connective tissues.
3	distinguish the three layers of the skin, the associated structures found within the skin layers, and the structures derived from the skin.
4	differentiate individual bones of the axial and appendicular skeleton using articulated and disarticulated skeletons from common domesticated species.
5	distinguish the surface features of bones of the axial and appendicular skeleton.
6	identify the major joints using articulated and disarticulated skeletons.
7	distinguish the major skeletal muscles and describe their actions.
8	differentiate and describe the functions of the major organs of the respiratory, cardiovascular, digestive, and genitourinary systems.
9	identify histological differences of the four basic animal tissues and relate normal from abnormal cells.

Course Content

Lecture/Course Content

n/a

Laboratory or Activity Content

(11.4%) Histology and the Microscope

Explores the structure and function of each body system of:

(5.7%) The Integumentary System

(17%) The Skeletal System

(17%) The Muscular System

(11.4%) The Respiratory System

(11.4%) The Cardiovascular System

(11.4%) The Digestive System

(7.6%) The Genitourinary System

(7.1%) The Nervous System and Special Sense Organs

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

Laboratory activities

Laboratory reports

Objective exams

Performances

Quizzes

Skills demonstrations

Skill tests

Instructional Methodology

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

Audio-visual presentations

Collaborative group work

Clinical demonstrations

Case studies

Demonstrations

Laboratory activities

Lecture

Describe specific examples of the methods the instructor will use:

The instructor will demonstrate and guide students on the proper technique to use microscope and other equipment to dissect and suture animal specimens.

Representative Course Assignments**Writing Assignments**

Complete written exercises in the anatomy and physiology of animals laboratory manual and lab guide.

Prepare laboratory outlines for the body system that will be covered for each laboratory session and list specific outcomes expected for that day.

Critical Thinking Assignments

Participate in laboratory activities that require analysis and evaluation of body structures in order to determine their function.

Participate in evaluating x-rays to determine gender, species, and abnormalities based on structure.

Reading Assignments

Read assignments in textbook that correspond to the body system covered in laboratory.

Read professional journal articles related to laboratory activities that complement the assigned textbook readings on the anatomy and physiology of animals.

Skills Demonstrations

Demonstrate proper technique of suturing incisions.

Identify major organs, bones, and joints of animal radiographs.

Outside Assignments**Articulation****Comparable Courses within the VCCCD**

AG V66 - Anatomy and Physiology of Animals

Equivalent Courses at other CCCs

College	Course ID	Course Title	Units
L.A. Pierce College	ANML SC 512	Anatomy and Physiology of Animal Laboratory	1

District General Education**A. Natural Sciences****A1. Biological Science**

Proposed

Date Proposed:

2/4/2020

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 2021

CSU GE-Breadth**Area A: English Language Communication and Critical Thinking****Area B: Scientific Inquiry and Quantitative Reasoning****B3 Laboratory Activity**

Proposed

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:****UC TCA****UC TCA**

Proposed

Date Proposed:

6/1/2020

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 5C: Laboratory Science**

Proposed

Area 6: Languages Other than English (LOTE)**Textbooks and Lab Manuals****Description**

Colville, Thomas, and Joanna Bassert. *Laboratory Manual for Clinical Anatomy and Physiology for Veterinary Technicians*. 3rd ed., Mosby, 2015.

Description

Singh, Baljit. *Veterinary Anatomy Coloring Book*. 2nd ed., Saunders, 2015.

Library Resources**Assignments requiring library resources**

Research into the anatomy and physiology of domestic and exotic animals.

Sufficient Library Resources exist

Yes

Example of Assignments Requiring Library Resources

Utilize the Library's print and online resources to research topics such as anatomical differences by species, gender, and age that are detected on radiographs.

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

12/04/2019

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