

**I. CATALOG INFORMATION**

A. Discipline: EXOTIC ANIMAL TRAINING MANAGEMENT (EATM)

B. Subject Code and Number: EATM M23AL

C. Course Title: Elementary Veterinary Care I Laboratory

D. Credit Course units:

Units: 1

Lecture Hours per week: 0

Lab Hours per week : 3

Variable Units : No

E. Student Learning Hours:

Lecture Hours:

Classroom hours: 0 - 0

Laboratory/Activity Hours:

Laboratory/Activity Hours 52.5 - 52.5

**Total Combined Hours** in a 17.5 week term: 52.5 - 52.5

F. Non-Credit Course hours per week \_\_\_\_\_

G. May be taken a total of:  1  2  3  4 time(s) for credit

H. Is the course co-designated (same as) another course: No  Yes

If YES, designate course Subject Code & Number: \_\_\_\_\_

I. Course Description:

Provides students with basic veterinary care experiences. Introduces methods of diagnosis and treatment to assist veterinary personnel with procedures in basic veterinary care.

J. Entrance Skills

\*Prerequisite: No  Yes  Course(s)

EATM M01B, EATM M19, EATM M24

\*Corequisite: No  Yes  Course(s)

EATM M23A

Limitation on Enrollment: No  Yes

\_\_\_\_\_

Recommended Preparation: No  Yes  Course(s)

\_\_\_\_\_

Other: No  Yes

\_\_\_\_\_

K. Other Catalog Information:

## II. COURSE OBJECTIVES

Upon successful completion of the course, a student will be able to:

		<b>Methods of evaluation will be consistent with, but not limited by, the following types or examples.</b>
1	identify and implement medical and husbandry behaviors appropriate for training animals.	Discussion with instructor
2	understand the purpose, need, and methods for diagnostic clinical procedures.	Examination
3	understand the purpose, need, and methods for delivering medication to animals, as well as calculating proper amounts to deliver.	Examination Instructor evaluation
4	administer medications via oral and injection routes in laboratory exercises.	Examination including practical demonstration
5	understand the methods of wound care and bandaging and be able to successfully apply a variety of bandages to animals.	Examination Laboratory demonstration
6	understand mammalian and avian anatomy by performing a dissection on a rat and a pigeon and visualizing anatomical structures.	Examination Evaluation by instructor during dissection
7	perform emergency care and assist in monitoring animals that are being chemically restrained, under general anesthesia and recovering from both of these procedures.	Examination Laboratory evaluation
8	operate around firearms and darting equipment safely.	Examination Instructor evaluation during darting lab

## III. COURSE CONTENT

Estimated %	Topic	Learning Outcomes
<b>Lecture</b> (must total 100%)		
<b>Lab</b> (must total 100%)		
5.00%	Firearm safety	4, 8
10.00%	Husbandry and medical training behaviors	1, 2, 3, 4

10.00%	Cardiovascular emergencies, general anesthesia support	7
10.00%	Sterile technique, safe handling of needle and syringe	1, 2, 3, 4
10.00%	Wound care, bandaging, splinting and casting	5
10.00%	Specimen collection for diagnostic evaluation	1, 2
15.00%	Injection techniques including darting	1, 3, 4
20.00%	Pigeon and rat dissection and practice husbandry, bandaging and injection techniques	1, 2, 3, 4, 5, 6
10.00%	Medication administration and amount calculation	1, 3, 4, 6

#### IV. TYPICAL ASSIGNMENTS

##### A. Writing assignments

Writing assignments are required. Possible assignments may include, but are not limited to:	
1	written evaluation of case studies in animal health.
2	written summaries of training behavior.
3	recording of medication calculations.

##### B. Critical thinking assignments

Critical thinking assignments are required. Possible assignments may include, but are not limited to:	
1	evaluation of needed husbandry procedures at America's Teaching Zoo.
2	patient management implementation decisions.
3	triage emergency care scenarios.

#### V. METHODS OF INSTRUCTION

Methods of instruction may include, but are not limited to:

- Distance Education – When any portion of class contact hours is replaced by distance education delivery mode (Complete DE Addendum, Section XV)
- Lecture/Discussion
- Laboratory/Activity
- Other (Specify)  
Dissections, demonstration, mathematical calculations, practice skills
- Optional Field Trips
-

Required Field Trips

**VI. METHODS OF EVALUATION**

**Methods of evaluation may include, but are not limited to:**

- |  |   |   |
|--|---|---|
| <input checked="" type="checkbox"/> Essay Exam           | <input checked="" type="checkbox"/> Classroom Discussion    | <input checked="" type="checkbox"/> Skill Demonstration |
| <input checked="" type="checkbox"/> Problem Solving Exam | <input checked="" type="checkbox"/> Reports/Papers/Journals | <input checked="" type="checkbox"/> Participation       |
| <input checked="" type="checkbox"/> Objective Exams      | <input checked="" type="checkbox"/> Projects                | <input checked="" type="checkbox"/> Other (specify)     |

Mathematical calculations

**VII. REPRESENTATIVE TEXTS AND OTHER COURSE MATERIALS**

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

Ballard, Bonnie, and Ryan Creek, eds. Exotic Animal Medicine for the Veterinary Technician. 3rd ed. Wiley-Blackwell, 2016.

**VIII. STUDENT MATERIALS FEES**

No  Yes

**IX. PARALLEL COURSES**

College	Course Number	Course Title	Units
CSU Chico	ANSC 130	Veterinary Practices	2
Foothill College	VT 75A	Animal Care Skills I	1

**X. MINIMUM QUALIFICATIONS**

**Courses in Disciplines in which Masters Degrees are not expected:**  
 Any Bachelor's degree and two (2) years of experience or an associate degree and six (6) years of experience.

**XI. ARTICULATION INFORMATION**

- A. Title V Course Classification:
- This course is designed to be taken either:
    - Pass/No Pass only (no letter grade possible); or
    - Letter grade (P/NP possible at student option)
  - Degree status:
    - Either  Associate Degree Applicable; or  Non-associate Degree Applicable
- B. Moorpark College General Education:
- Do you recommend this course for inclusion on the Associate Degree General Education list?
    - Yes:  No:  If YES, what section(s)?
    - A1 - Natural Sciences - Biological Science
    -

- A2 - Natural Sciences - Physical Science
- B1 - Social and Behavioral Sciences - American History/Institutions
- B2 - Social and Behavioral Sciences - Other Social Behavioral Science
- C1 - Humanities - Fine or Performing Arts
- C2 - Humanities - Other Humanities
- D1 - Language and Rationality - English Composition
- D2 - Language and Rationality - Communication and Analytical Thinking
- E1 - Health/Physical Education
- E2 - PE or Dance
- F - Ethnic/Gender Studies

C. California State University(CSU) Articulation:

1. Do you recommend this course for transfer credit to CSU? Yes:  No:

2. If YES do you recommend this course for inclusion on the CSU General Education list?

Yes:  No:  If YES, which area(s)?

- A1  A2  A3  B1  B2  B3  B4
- C1  C2  D1  D2  D3  D4  D5
- D6  D7  D8  D9  D10  E

D. University of California (UC) Articulation:

1. Do you recommend this course for transfer to the UC? Yes:  No:

2. If YES do you recommend this course for the Intersegmental General Education Transfer Curriculum (IGETC)? Yes:  No:

IGETC Area 1: English Communication

- English Composition
- Critical Thinking-English Composition
- Oral Communication

IGETC Area 2: Mathematical Concepts and Quantitative Reasoning

- Mathematical Concepts

IGETC Area 3: Arts and Humanities

- Arts
- Humanities

IGETC Area 4: Social and Behavioral Sciences

- Anthropology and Archaeology
-

- Economics
- Ethnic Studies
- Gender Studies
- Geography
- History
- Interdisciplinary, Social & Behavioral Sciences
- Political Science, Government & Legal Institutions
- Psychology
- Sociology & Criminology

IGETC Area 5: Physical and Biological Sciences (mark all that apply)

- Physical Science Lab or Physical Science Lab only (non-sequence)
- Physical Science Lecture only (non-sequence)
- Biological Science
- Physical Science Courses
- Physical Science Lab or Biological Science Lab Only (non-sequence)
- Biological Science Courses
- Biological Science Lab course
- First Science course in a Special sequence
- Second Science course in a Special Sequence
- Laboratory Activity
- Physical Sciences

IGETC Area 6: Language other than English

- Languages other than English (UC Requirement Only)
- U.S. History, Constitution, and American Ideals (CSU Requirement ONLY)
- U.S. History, Constitution, and American Ideals (CSU Requirement ONLY)

**XII. REVIEW OF LIBRARY RESOURCES**

- A. What planned assignment(s) will require library resources and use?

The following assignments require library resources:

Research, using the Library's print and online resources, on topics such as how to administer medication to animals.

- B. Are the currently held library resources sufficient to support the course assignment?

YES:  NO:

If NO, please list additional library resources needed to support this course.

**XIII. PREREQUISITE AND/OR COREQUISITE JUSTIFICATION**

### Requisite Justification for EATM M23A

- A. Sequential course within a discipline.
- B. Standard Prerequisite or Corequisite required by universities.
- C. Corequisite is linked to companion lecture course.
- D. Prerequisite or Corequisite is authorized by legal statute or regulation.  
Code Section: \_\_\_\_\_
- E. Prerequisite or Corequisite is necessary to protect the students' health and safety.
- F. Computation or communication skill is needed.
- G. Performance courses: Audition, portfolio, tryouts, etc. needed.

### Requisite Justification for EATM M01B

- A. Sequential course within a discipline.
  - 1. describe the various methods and equipment to restrain and handle domestic and non-domestic animals.
  - 2. evaluate specific stressors for an animal caretaker, including euthanasia and grieving, and methods to handle these matters to prevent job "burn-out."
  - 3. explain basic principles of animal enclosure designs.
  - 4. describe basic construction and maintenance techniques as they apply to an animal facility.
  - 5. describe the husbandry needs of various animal groups.
  - 6. describe a variety of basic environmental enrichment techniques and resources, as well as their necessity and U.S. Department of Agriculture (USDA) regulations for behavioral enrichment.
  - 7. describe various techniques used in zoos for animal identification and marking.
  - 8. describe various techniques used in zoos for animal identification and marking.
- B. Standard Prerequisite or Corequisite required by universities.
- C. Corequisite is linked to companion lecture course.

- D. Prerequisite or Corequisite is authorized by legal statute or regulation.  
Code Section: \_\_\_\_\_
- E. Prerequisite or Corequisite is necessary to protect the students' health and safety.
- F. Computation or communication skill is needed.
- G. Performance courses: Audition, portfolio, tryouts, etc. needed.

Requisite Justification for EATM M19

- A. Sequential course within a discipline.
  1. explain the proper steps in food sanitation and handling.
  2. describe and identify the properties and importance of each nutrient: carbohydrates, fats, proteins, vitamins, minerals and water.
  3. explain the relationship of digestive tract structure to the nutritional needs of animals.
  4. identify toxic types of foods for a variety of mammals, birds and herptiles.
  5. prevent nutritional-based diseases such as metabolic bone disease and iron storage disease.
  6. read and understand nutritional product labels and information and assess nutritional information in a scientific way.
  7. adhere to USDA (U.S. Department of Agriculture) regulations regarding food sanitation, preparation and feeding.
  8. assess, calculate and provide a balanced diet that meets the nutritional and psychological needs of mammals, birds and herptiles.
  9. identify, explain and implement the principles of an effective nourishment program, including record keeping.
- B. Standard Prerequisite or Corequisite required by universities.
- C. Corequisite is linked to companion lecture course.
- D. Prerequisite or Corequisite is authorized by legal statute or regulation.  
Code Section: \_\_\_\_\_
- E. Prerequisite or Corequisite is necessary to protect the students' health and safety.



- F. Computation or communication skill is needed.
- G. Performance courses: Audition, portfolio, tryouts, etc. needed.

Requisite Justification for EATM M24

- A. Sequential course within a discipline.

1. discuss and compare the basic anatomy and physiology of birds and herptiles and how they differ from mammals.
2. define basic husbandry techniques for different types of avian and herptile species.
3. describe methods of finding specialists to perform veterinary care on these species and how to provide emergency care until the animal can be seen by a veterinarian.
4. describe and compare how preventive medicine is achieved through proper husbandry and handling techniques.
5. identify safe handling techniques for humans and animals when working with these species.

- B. Standard Prerequisite or Corequisite required by universities.
- C. Corequisite is linked to companion lecture course.
- D. Prerequisite or Corequisite is authorized by legal statute or regulation.  
Code Section: \_\_\_\_\_
- E. Prerequisite or Corequisite is necessary to protect the students' health and safety.
- F. Computation or communication skill is needed.
- G. Performance courses: Audition, portfolio, tryouts, etc. needed.

#### XIV. WORKPLACE PREPARATION

Required for career technical courses only. A career technical course/program is one with the primary goal to prepare students for employment immediately upon course/program completion, and/or upgrading employment skills.

Detail how the course meets the Secretary of Labors Commission on the Achievement of Necessary Skills (SCANS) areas. (For a description of the competencies and skills with a

listing of what students should be able to do, go to:

<http://www.ncrel.org/sdrs/areas/issues/methods/assment/as7scans.htm>)

The course will address the SCANS competency areas:

1. Resources: the students will allocate time, organize and plan to attend and successfully complete each lab.
2. Interpersonal: the students will work with others in many cooperative learning experiences.
3. Information: the students will acquire and use information as presented to successfully complete assigned tasks.
4. Systems: the students will understand, visualize and utilize anatomical and medical systems.
5. Technology: the students will understand intent and proper procedures for utilizing medical and dissection equipment.

The course also addresses the SCANS skills and personal qualities:

1. Basic Skills: the students will listen, speak and perform procedures and mathematical operations.
2. Thinking Skills: the students will be required to solve problems, utilize mathematical symbols, visualize structures, and apply previous knowledge.
3. Personal Qualities: the students will display responsibility, self-management, integrity and honesty throughout their written assignments, examinations and laboratory activities.

#### **XV. DISTANCE LEARNING COURSE OUTLINE ADDENDUM**

EATM M23AL: Not Applicable

#### **XVI. GENERAL EDUCATION COURSE OUTLINE ADDENDUM**

EATM M23AL: Not Applicable

#### **XVII. STUDENT MATERIALS FEE ADDENDUM**

EATM M23AL: Not Applicable

#### **XVIII. REPEATABILITY JUSTIFICATION TITLE 5, SECTION 55041**

EATM M23AL: Not Applicable

#### **XIX. CURRICULUM APPROVAL**

Course Information:

Discipline: EXOTIC ANIMAL TRAINING MANAGEMENT (EATM)

Discipline Code and Number: EATM M23AL

Course Revision Category: Outline Update

Course Proposed By:

Originating Faculty Cynthia Stringfield 04/23/2017

Faculty Peer: Brenda Woodhouse 04/25/2017

Curriculum Rep: \_\_\_\_\_

Department Chair: Cynthia Stringfield 04/26/2017

Division Dean: Norman Marten 04/27/2017

Approved By:

Curriculum Chair: Jerry Mansfield 09/19/2017

Executive Vice President: Julius Sokenu 10/15/2017

Articulation Officer: Letrisha Mai 09/07/2017

Librarian: Mary LaBarge 09/06/2017

Implementation Term and Year: Fall 2018

Approval Dates:

Approved by Moorpark College Curriculum Committee: 09/19/2017

Approved by Board of Trustees (if applicable): \_\_\_\_\_

Approved by State (if applicable): 01/09/2018