

# EATM M18: ANIMAL HEALTH AND SAFETY

**Originator**

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**Co-Contributor(s)**
**Name(s)**

Woodhouse, Brenda (bwoodhouse)

**College**

Moorpark College

**Discipline (CB01A)**

EATM - Exotic Animal Training Mgmt

**Course Number (CB01B)**

M18

**Course Title (CB02)**

Animal Health and Safety

**Banner/Short Title**

Animal Health and Safety

**Credit Type**

Credit

**Start Term**

Fall 2022

**Formerly**

ANSC M02 - Animal Health and Safety

**Catalog Course Description**

Provides an introduction to the human health and safety issues associated with the keeping of animals in human care. Addresses the personal safety of the animal caretaker, as well as zoonosis concerns, animal escapes, and natural disasters. Presents the essentials of a preventive medicine program for animals with emphasis on procedures for proper hygiene and sanitation, quarantine, necropsy and routine medical screening and care, as well as occupational health programs for personnel.

**Taxonomy of Programs (TOP) Code (CB03)**

0102.00 - \*Animal Science

**Course Credit Status (CB04)**

D (Credit - Degree Applicable)

**Course Transfer Status (CB05) (select one only)**

C (Not transferable)

**Course Basic Skills Status (CB08)**

N - The Course is Not a Basic Skills Course

**SAM Priority Code (CB09)**

D - Possibly 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)**

Y - Not Applicable (Funding Not Used)

**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**

(L) Letter Graded

**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**

35

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

35

**Activity**

**Laboratory**

**Total in-Class**

**Total in-Class**

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

35

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

35

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

Paid

Unpaid

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

70

**Maximum Outside-of-Class Hours**

70

**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

**Limitations on Enrollment**

Others (specify)

**Other Limitations on Enrollment**

Admission to the EATM Program

**Student Learning Outcomes (CSLOs)****Upon satisfactory completion of the course, students will be able to:**

- |   |  |
|---|--|
| 1 | demonstrate understanding of zoonotic diseases and safety risks that animal handlers are likely to be exposed to.      |
| 2 | describe the procedures and safety protocols that are required in an occupational health program for animal caretakers |

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

- |   |  |
|---|--|
| 1 | describe and contrast the major zoonosis animal handlers are likely to be exposed to and the steps to take to avoid such diseases. |
| 2 | identify and explain the concepts, components and implementation of an effective preventive medicine program.                      |
| 3 | describe standard emergency procedures during animal escapes and natural disasters for an animal facility.                         |
| 4 | describe safe sanitation methods, protocols, and products common to animal care facilities.  |

**Course Content****Lecture/Course Content**

1. (45%) Zoonotic diseases
2. (5%) Preventive medicine concepts

- quarantine
- necropsy
- routine medical screening and care
- 3. (20%) Insect and vermin control
  - cleaning
  - disinfection
- 4. (10%) Emergencies
  - animal escapes
  - natural disasters
- 5. (5%) Immunoprophylaxis – vaccination
- 6. (5%) Occupational health programs for animal caretakers
- 7. (10%) Personal hygiene, petting zoo and patron contact selection and hygiene

#### Laboratory or Activity Content

N/A

### Methods of Evaluation

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

Written expression  
Problem solving exercises

**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):**

Essay exams  
Group projects  
Individual projects  
Objective exams  
Problem-solving exams  
Problem-solving homework  
Quizzes  
Reports/papers  
Research papers  
Classroom Discussion  
Reports/Papers/Journals

### Instructional Methodology

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

Audio-visual presentations  
Class activities  
Class discussions  
Demonstrations  
Distance Education  
Group discussions  
Guest speakers  
Internet research  
Lecture  
Modeling  
Small group activities

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

Instructor will lecture using power-point on keeper safety and emergencies.  
In class activity on proper hand washing techniques.

### Representative Course Assignments

#### Writing Assignments

written analysis of video presentations.  
written descriptions of safety protocols at America's Teaching Zoo.

**Critical Thinking Assignments**

analysis of scientific journal articles related to animal health and safety.  
evaluation of vaccination protocols.  
participation in class discussions regarding zoonotic diseases.

**Reading Assignments**

read assigned journal articles.  
complete reading assignments on emergencies and animal escapes from instructor-prepared material.

**Outside Assignments****Representative Outside Assignments**

Complete San Diego Global online assignments  
Write a paper on a specific zoonosis and its treatment.

**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**

**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**

**Area F: Ethnic Studies**

**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**

**Resource Type**

Textbook

**Description**

Colville, Joann, and David Berryhill. *Handbook of Zoonoses: Identification and Prevention*. Mosby, 2007.

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**Resource Type**

Textbook

**Description**

Waltner-Toews, David. *The Chickens Fight Back: Pandemic Panics and Deadly Diseases that Jump from Animals to Humans*. Greystone, 2007.

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**Resource Type**

Textbook

**Description**

Romich, Janet Amundson. *Understanding Zoonotic Diseases*. Cengage, 2007.

**Resource Type**

Textbook

**Classic Textbook**

Yes

**Description**

Honarmand, Hamidreza. *Zoonotic Diseases: Volume I*. Lambert Academic Publishing, 2021.

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

Research, using the Library's print and online resources as well as reliable Internet sources, on zoonotic diseases, their causes and treatments.

**Sufficient Library Resources exist**

Yes

**Example of Assignments Requiring Library Resources**

Research and write a paper on a zoonotic disease and its treatment.

**Distance Education Addendum****Definitions****Distance Education Modalities**

100% online

**Faculty Certifications**

Faculty assigned to teach Hybrid or Fully Online sections of this course will receive training in how to satisfy the Federal and state regulations governing regular effective/substantive contact for distance education. The training will include common elements in the district-supported learning management system (LMS), online teaching methods, regular effective/substantive contact, and best practices.

Yes

Faculty assigned to teach Hybrid or Fully Online sections of this course will meet with the EAC Alternate Media Specialist to ensure that the course content meets the required Federal and state accessibility standards for access by students with disabilities. Common areas for discussion include accessibility of PDF files, images, captioning of videos, Power Point presentations, math and scientific notation, and ensuring the use of style mark-up in Word documents.

Yes

**Regular Effective/Substantive Contact****100% online Modality:****Method of Instruction****Document typical activities or assignments for each method of instruction**

Asynchronous Dialog (e.g., discussion board)

Students may be required to post their ideas or solutions for class-related material on the course discussion boards. Students may also be required to comment on the posts of other students, including constructive criticism.

E-mail

The instructor may email students with announcements about the course or other college events and opportunities and answer student questions. Students may email questions and possibly assignments or projects, depending on the nature of the class, directly to the instructor.

Face to Face (by student request; cannot be required)	Students may have the option to visit the instructor in their office on campus for office hours or to discuss other class-related items.
Other DE (e.g., recorded lectures)	The instructor may use other instruction methods appropriate to the subject matter. For example, pre-recorded lectures may be posted perhaps leading to a class discussion on the discussion boards.
Synchronous Dialog (e.g., online chat)	The instructor may hold class in a regular schedule but in an online format using a program such as ConferZoom. Office hours may also be held in this manner or with an online chat tool.
Telephone	Students may have the option to call the instructor and/or the instructor may call students to facilitate office hours or to discuss other class-related items.
Video Conferencing	Instructor may hold class in a regular schedule but in an online format using a program such as ConferZoom. Office hours may also be held in this manner.

**Primary Minimum Qualification**

ANIMAL TRAINING &amp; MANAGEMENT

**Review and Approval Dates****Department Chair**

03/06/2022

**Dean**

03/07/2022

**Technical Review**

04/21/2022

**Curriculum Committee**

5/3/2022

**DTRW-I**

MM/DD/YYYY

**Curriculum Committee**

MM/DD/YYYY

**Board**

MM/DD/YYYY

**CCCCO**

MM/DD/YYYY

**Control Number**

CCC000428842

**DOE/accreditation approval date**

MM/DD/YYYY