

**I. CATALOG INFORMATION**A. Discipline: ZOOLOGYB. Subject Code and Number: ZOO M122C. Course Title: Independent Study-Zoology

D. Credit Course units:

Units: 0.5 – 3Lecture Hours per week: 0Lab Hours per week : 1.5 – 9Variable Units : No

E. Student Learning Hours:

Lecture Hours:

Classroom hours: 0 - 0

Laboratory/Activity Hours:

Laboratory/Activity Hours 26.25 - 157.5**Total Combined Hours** in a 17.5 week term: 26.25 - 157.5

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

G. May be taken a total of:  1  2  3  4 time(s) for creditH. Is the course co-designated (same as) another course: No  Yes 

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

I. Course Description:

Allows independent study for students who wish to extend their knowledge of a particular area of Zoology through research and study. Utilizes an approved independent project. Includes one-on-one work with instructor.

J. Entrance Skills

\*Prerequisite: No  Yes  Course(s)Completion of one course in Zoology and instructor approval.\*Corequisite: No  Yes  Course(s)

\_\_\_\_\_

Limitation on Enrollment: No  Yes 

\_\_\_\_\_

Recommended Preparation: No  Yes  Course(s)

\_\_\_\_\_

Other: No  Yes 

\_\_\_\_\_

K. Other Catalog Information:

Interested students should contact an instructor in Zoology for assistance in developing a contract for learning about a specific topic. May be taken for a maximum of six (6) units in discipline. Formerly ZOO M22A/B. Transfer credit: CSU; UC (determined after admission).

## 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	apply the knowledge acquired to other aspects of Zoology.	Successful completion of a course project, i.e. portfolio, paper, conference, presentation, performance, or lab research. Evaluation methods will be determined by the instructor in consultation with the student.
2	formulate statements designed to assess the applicability of their knowledge to other related topics.	Successful completion of a course project, i.e. portfolio, paper, conference, presentation, performance, or lab research. Evaluation methods will be determined by the instructor in consultation with the student.
3	analyze new information, practices, or research in the Zoology discipline and utilize those findings in further research or creative projects.	Successful completion of a course project, i.e. portfolio, paper, conference, presentation, performance, or lab research. Evaluation methods will be determined by the instructor in consultation with the student.

## III. COURSE CONTENT

<b>Estimated %</b>	<b>Topic</b>	<b>Learning Outcomes</b>
<b>Lecture</b> (must total 100%)		
<b>Lab</b> (must total 100%)		
100.00%	Project content and specific topics will be determined by the student in consultation with the supervising faculty member.	1, 2, 3

#### IV. TYPICAL ASSIGNMENTS

##### A. Writing assignments

Writing assignments are required. Possible assignments may include, but are not limited to:	
1	projects to be determined in conversation between the instructor and the student.
2	development of project-related documents: essays, term projects, library research, and literature reviews.

##### B. Appropriate outside assignments

Appropriate outside assignments are required. Possible assignments may include, but are not limited to:	
1	projects to be determined in conversation between the instructor and the student.

##### C. Critical thinking assignments

Critical thinking assignments are required. Possible assignments may include, but are not limited to:	
1	projects to be determined in conversation between the instructor and the student.

#### 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)  
The specific methods to be used will be determined by the supervising faculty member in consultation with the student.

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- 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 type="checkbox"/> Classroom Discussion               | <input checked="" type="checkbox"/> Skill Demonstration |
| <input 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)     |

Specific evaluation methods will be determined by the instructor in consultation with the student.

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

Specific books, articles, films, etc. used will be determined by the supervising faculty member in consultation with the student.

### VIII. STUDENT MATERIALS FEES

No  Yes

### IX. PARALLEL COURSES

College	Course Number	Course Title	Units
Las Positas College	ZOOL 29	Independent Study	0.5-2

### X. MINIMUM QUALIFICATIONS

#### Courses Requiring a Masters Degree:

Master's degree in any biological science OR bachelor's degree in any biological science AND master's degree in biochemistry, biophysics, or marine science OR the equivalent.

### XI. ARTICULATION INFORMATION

#### A. Title V Course Classification:

1. 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)

2. Degree status:

Either  Associate Degree Applicable; or  Non-associate Degree Applicable

#### B. Moorpark College General Education:

1. 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 projects using the Library's print and online resources.

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 Completion of one course in Zoology and instructor approval.

- 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.
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G. Performance courses: Audition, portfolio, tryouts, etc. needed.

**XIV. WORKPLACE PREPARATION**

ZOO M122: Not Applicable

**XV. DISTANCE LEARNING COURSE OUTLINE ADDENDUM**

ZOO M122: Not Applicable

**XVI. GENERAL EDUCATION COURSE OUTLINE ADDENDUM**

ZOO M122: Not Applicable

**XVII. STUDENT MATERIALS FEE ADDENDUM**

ZOO M122: Not Applicable

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

ZOO M122: Not Applicable

**XIX. CURRICULUM APPROVAL**

Course Information:

Discipline: ZOOLOGY

Discipline Code and Number: ZOO M122

Course Revision Category: Outline Update

Course Proposed By:

Originating Faculty Michael Trainor 12/18/2015

Faculty Peer: \_\_\_\_\_

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

Department Chair: Jazmir Hernandez 12/21/2015

Division Dean: \_\_\_\_\_

Approved By:

Curriculum Chair: Jerry Mansfield 02/06/2016

Executive Vice President: Lori Bennett 02/01/2016

Articulation Officer: \_\_\_\_\_

Librarian: \_\_\_\_\_

Implementation Term and Year: Spring 2016

Approval Dates:

Approved by Moorpark College Curriculum Committee: 02/02/2016

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

Approved by State (if applicable): 02/25/2016

