

CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

NEW COURSE PROPOSAL

PROGRAM AREA: BIOLOGY/BUSINESS AND ECONOMICS/EDUCATION

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**1. Catalog Description of the Course.** *[Include the course prefix, number, full title, and units. Provide a course narrative including prerequisites and corequisites. If any of the following apply, include in the description: Repeatability; time distribution (Lecture \_\_\_ hours, laboratory \_\_\_ hours); non-traditional grading system (Graded CR/NC, ABC/NC). Follow accepted catalog format.]*

BIOL 342. THE ZOO: CONSERVATION, EDUCATION AND RECREATION (3)

Three hours per week.

An interdisciplinary study of zoos and zoological gardens from scientific, managerial, business, recreational and educational perspectives. Analyzes how these perspectives are linked within zoo practices. The course will include an in-depth case study of a local zoo. Field trips to local zoos will be required.

GenEd: D and Interdisciplinary

BUS 342. The Zoo: Conservation, Education and Recreation (3)

Three hours per week.

An interdisciplinary study of zoos and zoological gardens from scientific, managerial, business, recreational and educational perspectives. Analyzes how these perspectives are linked within zoo practices. The course will include an in-depth case study of a local zoo. Field trips to local zoos will be required.

GenEd: D and Interdisciplinary

ECON 342. The Zoo: Conservation, Education and Recreation (3)

Three hours per week.

An interdisciplinary study of zoos and zoological gardens from scientific, managerial, business, recreational and educational perspectives. Analyzes how these perspectives are linked within zoo practices. The course will include an in-depth case study of a local zoo. Field trips to local zoos will be required.

GenEd: D and Interdisciplinary

EDUC 342. The Zoo: Conservation, Education and Recreation (3)

Three hours per week.

An interdisciplinary study of zoos and zoological gardens from scientific, managerial, business, recreational and educational perspectives. Analyzes how these perspectives are linked within zoo practices. The course will include an in-depth case study of a local zoo. Field trips to local zoos will be required.

GenEd: D and Interdisciplinary

**2. Mode of Instruction.**

	<b>Units</b>	<b>Hours per Unit</b>	<b>Benchmark Enrollment</b>
Lecture	____3____	____1____	____30____
Seminar	_____	_____	_____
Laboratory	_____	_____	_____
Activity	_____	_____	_____

**3. Justification and Learning Objectives for the Course.** (Indicate whether required or elective, and whether it meets University Writing, and/or Language requirements)  
*[Use as much space as necessary]*

**Justification**

Zoos and zoological gardens are widespread and highly familiar institutions. This course will introduce students to issues facing zoos from many different perspectives including biology, education, business and economics. Field trips to a local zoo, lectures, discussions, and guest speakers will enable students to: (a) examine the complex interdisciplinary issues facing modern zoos; (b) examine the roles and contributions of zoos to the local and global community; and (c) examine the changing public perception of zoos in contemporary society.

**Learning Objectives**

Upon completion of this course, students will be able to:

- Describe the roles of biology, business, economics and education within the zoo.
- Analyze the interactions of biology, business, economics and education in a zoo. This analysis will include the ways that these disciplines complement and conflict with one another.
- Reflect in written and oral form on the zoo as a social institution and the role of the zoo in contemporary society.
- Describe the processes of collecting and displaying flora and fauna in zoos.
- Analyze the development of a zoo collection.
- Describe the effects of the macroeconomy on a zoo.



- C. Zoo staff including managers, keepers, curators, veterinarians, and the like.
- D. Zoo budgeting including sources of revenue and costs.
- E. The role of volunteers at the zoo.

IV. Educational projects, programs and materials addressing the needs of diverse audiences.

- A. Different age groups.
- B. Different cultural and ethnic groups.
- C. Different social and economic groups.
- D. Best practices in education.

**6. References.** *[Provide 3 - 5 references on which this course is based and/or support it.]*

General Zoo Information:

Koebner, Linda. Zoo Book: The Evolution of Wildlife Conservation Centers. Forge, 1994. 031285322X

Nichols, Michael. Keepers of the Kingdom: The New American Zoo. Lickle Publishing Inc., 1996. 0965030830

Biology:

Primack, Richard. Essentials of Conservation Biology. Sinauer Associates, Inc. 2002. 0878937196

Business, Management and Economics:

McCurley, S.; Lynch, R. Volunteer Management. Heritage Arts Publishing, 1996. 0911029451

Schmidgall, R.; Hayes, D.; Ninemeier, J. Restaurant Financial Basics. Wiley, 2002. 0471213799

Education:

Sobel, D. Beyond Ecophobia: Reclaiming the Heart in Nature Education. Orion Society, 1996. 0913098507

Sobel, D. Place-Based Education: Connecting Classrooms & Communities. Orion Society, 2004. 091309854X

Tilden, F. Interpreting Our Heritage. University of North Carolina Press, 1977. 0807840165

Knudson, D. Interpretation of Cultural and Natural Resources. Venture Publishing, 1995. 0910251703

**7. List Faculty Qualified to Teach This Course.**

Biology faculty: Professors Ching-Hua Wang, Nancy Mozingo, Amy Denton  
Business and Economics faculty: Professor Dennis Muraoka  
Education faculty: Professors Joan Karp, Robert Bleicher, Jeanne Grier

**8. Frequency.**

Projected semester to be offered: Fall 2004

**9. New Resources Required.**

Computer software focusing on zoo management may be utilized in this course.

**10. Consultation.** Attach consultation sheet from all program areas, Library, and others (if necessary)

**11.** If this new course will alter any degree, credential, certificate, or minor in your program, attach a program modification.

Joan Karp  
\_\_\_\_\_ 12/5/03 \_\_\_\_\_  
Proposer of Course Date

Dennis Muraoka  
\_\_\_\_\_ 12/5/03 \_\_\_\_\_  
Proposer of Course Date

Ching-Hua Wang  
\_\_\_\_\_ 12/5/03 \_\_\_\_\_  
Proposer of Course Date