CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

NEW COURSE PROPOSAL

PROGRAM AREA BIOLOGY

1. Catalog Description of the Course.

BIOL 215 ANIMAL DIVERSITY (4)
Three hours of lecture and three hours of laboratory per week
This course will survey the animal kingdom emphasizing the continuity of animal life from simple to more complex body forms and life histories. The diversity of animal life is projected on a framework of basic ecological and evolutionary concepts. Human interactions with animals are explored through management and conservation issues as well as historical examples from the sciences of zoology, classification and evolution. Field trips to selected sites will allow direct examination of local animal diversity. A lab fee is required.
GenEd: B2

2. Mode of Instruction.

	Units	Hours per Unit	Benchmark Enrollment
Lecture	____3___	____1___	___48___
Seminar	_____	_____	_____
Laboratory	____1___	____3___	___24___
Activity	_____	_____	_____

3. Justification and Learning Objectives for the Course.

This is a general education course designed to meet the criteria for category B2-Life sciences. Students will be introduced to foundational biological concepts and processes (evolution and ecology). With this as a framework, the diversity of animals (fossil and modern) will be explored in a systematic (phylogenetic) fashion and in historical context (both biological history and scientific history), with reference to the biological (adapational/ecological) life of the groups examined. Human interactions with animal life will also be highlighted as appropriate, with conservation issues brought to the forefront whenever appropriate.

Students who successfully complete this course will be able to:

- explain and apply basic biological concepts
- describe the tenets of Zoological Classification
- identify characteristics of major animal groups
- diagram evolutionary history of major animal groups

4. Is this a General Education Course YES

If Yes, indicate GE category:

A (English Language, Communication, Critical Thinking)	
B (Mathematics & Sciences)	**2**
C (Fine Arts, Literature, Languages & Cultures)	
D (Social Perspectives)	
E (Human Psychological and Physiological Perspectives)	

5. Course Content in Outline Form.

1. Introduction to scientific method
2. Basic ecological principles
3. Basic evolutionary principles
4. Animal Diversity – phylum by phylum.
5. Practical aspects of biodiversity (human interactions with animal diversity)
6. Conservation issues.

6. References.

Hickman, C., L. Roberts & A. Larson. 2003. *Animal Diversity*, 3rd Ed. McGraw Hill.
Hickman, C. & L. Kats. 2003. *Laboratory Studies in Animal Diversity*, 3rd Ed. McGraw Hill.

7. List Faculty Qualified to Teach This Course.

Biology faculty

8. Frequency.

a. Projected semesters to be offered: Fall ____ Spring __X__ Summer _____

9. New Resources Required.

a. Computer (data processing), audio visual, broadcasting needs, other equipment
b. Library needs
c. Facility/space needs

Equipped Biology laboratory, collection of animal specimens

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.

Nancy Mozingo_____8 Jan, 2003_____
Proposer of Course Date