CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

NEW COURSE PROPOSAL

DATE 11.29.06
PROGRAM AREA BIOLOGY

1. Catalog Description of the Course. *[Follow accepted catalog format.]*

Prefix BIOL Course# 451 Title ORNITHOLOGY Units (4)
3 hours lecture per week
3 hours laboratory per week
☒ Prerequisites BIOL 200, 201
☐ Corequisites
Description Introduces the evolution, diversification, anatomy, physiology, classification, ecology, behavior, conservation and special adaptations of birds in the world. It requires study and identification in the field and laboratory. A lab fee is required.

	Graded	
☐ Gen Ed	☐ CR/NC	☒ Repeatable for up to 8 units
Categories		
☒ Lab Fee Required	☒ A - F	Total Completions Allowed 2
	☐ Optional (Student's choice)	☐ Multiple Enrollment in same semester

2. Mode of Instruction.

	Units	Hours per Unit	Benchmark Enrollment	Graded Component	CS # (filled in by Dean)
Lecture	3	1		☒	
Seminar				☐	
Laboratory	1	3		☒	
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]*
This is an elective course for the biology majors. Birds represent a diverse group of some 10,000 known biological species that deserve our attention due to their impact on the environment and society. Learning about birds helps biology majors to understand evolution, speciation, adaptation, diversification and conservation.

Learning Objectives:
After completing this course, students will be able to:
1. describe the current theories on the evolution and diversification of birds;
2. state the basic physiological and behavioral adaptations of birds;
3. explain the basic ecological dynamics of birds;
4. identify the current conservation concerns about birds and how they might address these concerns;
5. differentiate Californian bird species

4. Is this a General Education Course **YES** ☐ **NO** ☒
If Yes, indicate GE category and attach GE Criteria Form:

A (English Language, Communication, Critical Thinking)
A-1 Oral Communication ☐
A-2 English Writing ☐
A-3 Critical Thinking ☐
B (Mathematics, Sciences & Technology)
B-1 Physical Sciences ☐
B-2 Life Sciences – Biology ☐
B-3 Mathematics – Mathematics and Applications ☐
B-4 Computers and Information Technology ☐
C (Fine Arts, Literature, Languages & Cultures)
C-1 Art ☐
C-2 Literature Courses ☐

C-3a Language ☐
C-3b Multicultural ☐
D (Social Perspectives) ☐
E (Human Psychological and Physiological Perspectives) ☐
UD Interdisciplinary ☐

5. Course Content in Outline Form. *[Be as brief as possible, but use as much space as necessary]*

History of ornithology
Evolution and diversification of birds.
Speciation theories and considerations
History of taxonomy and the importance of specimens
Morphology and physiology
Reproduction
Social behavior
Habitat use behavior
Navigation and migration
Population and community dynamics
Conservation concerns and solutions
Birds and their environments
Birds' impact on human society

Does this course overlap a course offered in your academic program? YES ☐ NO ☒
If YES, what course(s) and provide a justification of the overlap?

Does this course overlap a course offered in another academic area? YES ☐ NO ☒
If YES, what course(s) and provide a justification of the overlap?
Signature of Academic Chair(s) of the other academic area(s) is required on the signature sheet below.

6. Cross-listed Courses (Please fill out separate form for each PREFIX)
List Cross-listed Courses

Signature of Academic Chair(s) of the other academic area(s) is required on the signature sheet below.

Department responsible for staffing: Biology

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

1. Gill, F.B. 2006. Ornithology, third edition. W.H. Freeman and Co., New York, N.Y.
2. Sibley, D.A. 2000. The Sibley guide to birds. Alfred A. Knopf, Inc., and National Audubon Society.
3. Rappole, J. H. 1995. The ecology of migrant birds: a neotropical perspective. Smithsonian Institution Press, Washington, DC.
4. Dickinson, E.C. 2003. The Howard and Moore complete checklist of the birds of the world: third edition. Princeton University Press.
5. Cornell Laboratory of Ornithology. 2004. Cornell Laboratory of Ornithology handbook of bird biology. Cornell Laboratory of Ornithology and Princeton University Press.

8. List Faculty Qualified to Teach This Course.

Biology faculty

9. Frequency.
a. Projected semesters to be offered: Fall ☒ Spring ☒ Summer ☐

10. New Resources Required. YES ☐ NO ☒

If YES, list the resources needed and obtain signatures from the appropriate programs/units on the sheet below.

a. Computer (data processing), audio visual, broadcasting needs, other equipment)

b. Library needs

c. Facility/space needs

11. Will this new course alter any degree, credential, certificate, or minor in your program? YES ☐ NO ☒
If, YES attach a program modification form for all programs affected.

Ching-Hua Wang — Proposer of Course

10/11/2006 — Date

Approval Sheet

Program/Course: BIOL 451

Program Chair(s)	Date
General Education Chair(s)	Date
Curriculum Committee Chair(s)	Date
Dean of Faculty	Date