

Course Outline of Record

1. Course Code: NR-050
2.
 - a. Long Course Title: Winter Birds
 - b. Short Course Title: WINTER BIRDS
3.
 - a. Catalog Course Description:
 This course introduces students to the principles and techniques of bird taxonomy. Emphasis is placed upon the identification of birds that winter locally at the Salton Sea. Saturday field trips to the Salton Sea are required. Students may choose the Pass/No Pass grading option.
 - b. Class Schedule Course Description:
 This course introduces students to the principles and techniques of bird taxonomy. Emphasis is placed upon the identification of birds that winter locally at the Salton Sea. Students may choose the Pass/No Pass grading option.
 - c. Semester Cycle (if applicable): N/A
 - d. Name of Approved Program(s):
 - DESERT ECOLOGIST Certificate of Achievement
4. Total Units: 1.00 Total Semester Hrs: 18.00
 Lecture Units: 1 Semester Lecture Hrs: 18.00
 Lab Units: 0 Semester Lab Hrs: 0
 Class Size Maximum: 22 Allow Audit: No
 Repeatability No Repeats Allowed
 Justification 0
5. Prerequisite or Corequisite Courses or Advisories:
Course with requisite(s) and/or advisory is required to complete Content Review Matrix (CCForm1-A)
N/A
6. Textbooks, Required Reading or Software: (List in APA or MLA format.)
 - a. Dunn,Jon (2011). National Geographic Field Guide to the Birds of North America (6th e). Washington, DC National Geographic Society. ISBN: 10:1426208286
 College Level: Yes
 Flesch-Kincaid reading level: 11
 - b. Erich (1988). The Birder's Handbook Simon Schuster Publishing. ISBN: 0-671-65989-8
 College Level: Yes
 Flesch-Kincaid reading level: 11
7. Entrance Skills: *Before entering the course students must be able:*

8. Course Content and Scope:

Lecture:

1. Introduction to bird classification with emphasis on the family level
 1. General introduction
 2. Binomial nomenclature
2. Bird identification techniques
 1. Proper use of equipment in the field
 2. Identification by sight using field marks
 3. Interpreting range maps
 4. Study skins
 5. Use and review of available references.
3. Conservation issues of local concern involving birds that depend on the Salton Sea as a wintering ground.

4. Identification of 26 local bird species that use the Salton Sea as a wintering ground.

Lab: (if the "Lab Hours" is greater than zero this is required)

9. Course Student Learning Outcomes:

1.
Recognize by sight a minimum of 26 bird species.
2.
Describe basic bird family characteristics.
3.
Synthesize and analyze research regarding an assigned bird species.

10. Course Objectives: *Upon completion of this course, students will be able to:*

- a. Identify by sight 26 species of birds that winter at the Salton Sea.
- b. Using field marks, classify birds taxonomically into distinct family groupings.
- c. Demonstrate an understanding of conservation issues surrounding local winter birds.
- d. Use a field guide and take field notes.
- e. Properly use optical equipment in the field, e.g. binoculars, spotting scope.

11. Methods of Instruction: *(Integration: Elements should validate parallel course outline elements)*

- a. Demonstration, Repetition/Practice
- b. Discussion
- c. Lecture

Other Methods:

a. Multimedia presentation: powerpoint, dvd, computer software, smart phone b. Lectures c. Classroom discussion d. Field trips to the Salton Sea e. Demonstration of field note-taking

12. Assignments: *(List samples of specific activities/assignments students are expected to complete both in and outside of class.)*

In Class Hours: 18.00

Outside Class Hours: 36.00

a. In-class Assignments

1. Take comprehensive notes during lecture
2. Be expected to correctly identify bird species during examinations

b. Out-of-class Assignments

1. Take comprehensive notes in the field
2. Prepare a notebook for the class
3. Prepare a two page typed research report on a particular bird species
4. Study assigned text
5. Be expected to correctly identify bird species in the field

13. Methods of Evaluating Student Progress: *The student will demonstrate proficiency by:*

- Written homework
- Guided/unguided journals
- Portfolios
- Field/physical activity observations
- Presentations/student demonstration observations
- Mid-term and final evaluations

- Student participation/contribution

14. Methods of Evaluating: Additional Assessment Information:

- a. Student notebook including field trip notes and sketches will be evaluated
- b. Class participation
- c. Species profile and ebird report
- d. Bird identification exam of 26 species including family characteristics.

15. Need/Purpose/Rationale -- *All courses must meet one or more CCC missions.*

PO - Career and Technical Education

Fulfill the requirements for an entry- level position in their field.

Apply critical thinking skills to execute daily duties in their area of employment.

Display the skills and aptitude necessary to pass certification exams in their field.

Exhibit effective written, oral communication and interpersonal skills.

Transfer to a higher level learning institution

IO - Personal and Professional Development

Self-evaluate knowledge, skills, and abilities.

Value diverse cultures and populations.

IO - Aesthetics

Utilize the creative process to explain universal values such as beauty and truth.

IO - Critical Thinking and Communication

Compose and present structured texts in a variety of oral and written forms according to purpose, audience, and occasion with implementation of thesis, supporting details and idea development.

Conduct research, gather and evaluate appropriate information, organize evidence into oral and written presentation, using proper MLA, APA, and other discipline-specific formats to cite sources.

IO - Global Citizenship - Ethical Behavior

Exhibit respect for self and others.

16. Comparable Transfer Course

University System	Campus	Course Number	Course Title	Catalog Year
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17. Special Materials and/or Equipment Required of Students:

18. Materials Fees: Required Material?

Material or Item	Cost Per Unit	Total Cost
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19. Provide Reasons for the Substantial Modifications or New Course:

periodic review

- 20. a. Cross-Listed Course (*Enter Course Code*): *N/A*
- b. Replacement Course (*Enter original Course Code*): *N/A*

21. Grading Method (*choose one*): Pass/No Pass Optional

22. MIS Course Data Elements

- a. Course Control Number [CB00]: CCC000143532
- b. T.O.P. Code [CB03]: 11500.00 - Natural Resources
- c. Credit Status [CB04]: D - Credit - Degree Applicable
- d. Course Transfer Status [CB05]: B = Transfer CSU
- e. Basic Skills Status [CB08]: 2N = Not basic skills course
- f. Vocational Status [CB09]: Possibly Occupational

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- g. Course Classification [CB11]: Y - Credit Course
- h. Special Class Status [CB13]: N - Not Special
- i. Course CAN Code [CB14]: N/A
- j. Course Prior to College Level [CB21]: Y = Not Applicable
- k. Course Noncredit Category [CB22]: Y - Not Applicable
- l. Funding Agency Category [CB23]: Y = Not Applicable
- m. Program Status [CB24]: 1 = Program Applicable

Name of Approved Program (if program-applicable): DESERT ECOLOGIST

Attach listings of Degree and/or Certificate Programs showing this course as a required or a restricted elective.)

23. Enrollment - Estimate Enrollment

First Year: 0

Third Year: 0

24. Resources - Faculty - Discipline and Other Qualifications:

a. Sufficient Faculty Resources: Yes

b. If No, list number of FTE needed to offer this course: N/A

25. Additional Equipment and/or Supplies Needed and Source of Funding.

N/A

26. Additional Construction or Modification of Existing Classroom Space Needed. (Explain:)

N/A

27. FOR NEW OR SUBSTANTIALLY MODIFIED COURSES

Library and/or Learning Resources Present in the Collection are Sufficient to Meet the Need of the Students Enrolled in the Course: Yes

28. Originator Kurt Leuschner Origination Date 09/09/16