

FORM VERSION: 5/95
DATE REVISED: SEPTEMBER 25, 1998

PALOMAR COLLEGE
COURSE OUTLINE OF RECORD FOR
DEGREE CREDIT COURSE

Transfer course A.A. degree applicable course

(check all that apply)

COURSE NUMBER AND TITLE: Biology 195F
Field Studies in Natural History Photography

UNIT VALUE: 1, 2 or 3 **MINIMUM NUMBER OF SEMESTER HOURS:** 32, 64, 96

BASIC SKILLS REQUIREMENTS: Appropriate language skills.

ENTRANCE REQUIREMENTS: None

PREREQUISITE:

COREQUISITE:

RECOMMENDED PREPARATION:

SCOPE OF COURSE:

Natural history field studies using photography as a means of documentation and personal expression. Various plant and animal species will be studied and photographed along with their habitats. Special emphasis will be place on each species' particular adaptations that favor its survival in its niche. *See Class Schedule for locality to be visited. Fee charged.*

SPECIFIC COURSE OBJECTIVES:

During this course students will have an opportunity to experience various biota in their natural habitat. Upon completion of the course the successful students will be able to:

1. recognize and document relationships of living organisms to each other and to their natural habitat.
2. identify plant and animal species that are photographed, by the use of check lists, keys and field guides.

3. use photographic techniques to document organisms, especially with respect to adaptations for obtaining nutrients, self-protection and successful reproduction.
4. discuss the natural history of the species under investigation.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

Each field class may have a different itinerary and cover different geographical regions and habitats in which natural history varies.

However, a common body of knowledge would include an understanding of the following:

- I. Principles of Photography
 - A. Use of the Camera
 - B. Film
 - C. Accessory Equipment
- II. Principles of Natural History
 - A. Biota and Habitat Types
 - B. Concept of Niche
 - C. Special Adaptations
- III. Systematics
 - A. Checklists and Keys
 - B. Taxonomic Guides
- IV. Natural History of Photographed Species
 - A. Identification
 - B. Distribution
 - C. Adaptations & Behaviors

REQUIRED READING:

College-level references including periodical and book sources. Varies according to the locale; a travelling library of natural history field guides and references will be brought to the class for use in identification and study purposes. Other material, such as instructor-generated handouts may also be required readings.

Example: Fitzharris, Tim. The Audubon Society Guide to Nature Photography. Boston: Little, Brown & Company, 1990.

SUGGESTED READING:

A large selection of suggested readings is available to students (e.g., natural history texts as well as other appropriate location-oriented field guides).

REQUIRED WRITING:

A field notebook - "LOG" - is required of all students. Writings in the log should include: abiotic and biotic parameters observed, as well as associations and behaviors studied, and a record of species identified. The quantity of writing will vary with the number of units; a minimum of 12 pages or 2,000 words of writing per unit is expected. To demonstrate photographic skills students will supplement their log with a set of 35mm slides or prints.

OUTSIDE ASSIGNMENTS:

Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments, prorated for short term classes.

Outside reading assignments include: predeparture readings in text and other course materials, as well as readings of course materials during trip, study of lecture notes, preparation of photographic slide sets, and preparation and review of field log.

INSTRUCTIONAL METHODOLOGY:

Check all that apply:

- lecture
- laboratory
- lecture-laboratory combination
- directed study

In-depth field study

This course may be offered as a distance education course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380.

Yes No

If yes, check all that apply. (See guidelines for preparation for definitions.)

- telecourse
- mediated instruction
- computer assisted instruction

GRADING POLICY AND STANDARDS:

Participation in the daily class activities	= 60%
Writings including the "log" (field journal)	= 20%
Set of photographic slides or prints	= 20%
TOTAL	=100%

Is course repeatable for reason(s) other than deficient grade?

YES NO Number of times course may be taken for credit 4

If yes, identify specific provision of Title 5 Division 2 section(s) 55761-55763 and 58161 which qualifies course as repeatable: 58161(c)(2)(B)

CONTACT PERSON: DANIEL SOURBEER, x.2775

SIGNATURES:

SIGNATURES ON FILE