

**PALOMAR COLLEGE**  
**COURSE OUTLINE OF RECORD FOR**  
**DEGREE CREDIT COURSE**

Transfer Course       A.A. Degree applicable course

**COURSE NUMBER AND TITLE:**    BOT 195, Field Study of Native Plants

**UNITVALUE:**    1, 2 or 3

**MINIMUM NUMBER OF SEMESTER HOURS:** 32/64/96 hours

**BASIC SKILLS REQUIREMENTS:**    Appropriate language and computational skills.

**ENTRANCE REQUIREMENTS:** None

**PREREQUISITE:**

**COREQUISITE:**

**RECOMMENDED PREPARATION:**

**SCOPE OF COURSE:**

Extended field study of the flora of selected geographical areas, including habitats, adaptations, and identification of native and naturalized species. *See class schedule for locality to be visited. Fee charged. May be taken four times.* CSU; UC

**SPECIFIC COURSE OBJECTIVES:**

Upon the successful completion of this course, the student will:

1.    Have increased his/her knowledge and appreciation for plants in their native habitats and have gained valuable field experience in plant-related biology as shown by the ability to identify and discuss the characteristics of the native flora;
2.    Be able to identify varying life forms and the habitats in which they are naturally found;
3.    Be able to understand the complexity of natural areas in which we do not normally live as shown by the ability to compare and contrast the local flora and the native flora;
4.    Be able to acquire the factual knowledge and understanding to further study nature; and,
5.    Be able to identify, analyze, discuss, compare and contrast the various environmental factors that contribute to the ecology of the environment and species under investigation.

## **CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:**

The following topic areas will be examined to provide the student with the unifying concepts of botany.

- I. Plant Cells, Tissues and Systems
- II. Water, Solutes and Plant Function
- III. Plant Reproduction and Propagation
- IV. Plant Growth and Development
- V. Plant Taxonomy
- VI. Methods of Plant Identification
- VII. Plant Ecology
- VIII. Plant/Animal Interactions

## **REQUIRED READING:**

Varies according to locale. A traveling library of field guides and references is kept available for use in identification and annotating the field log. Other material, such as instructor-generated handouts, may also be required.

Example: Littler, D. S., M. M. Littler, K. E. Bucher, & J. N. Norris.  
Marine Plants of the Caribbean, Washington: Smithsonian Press, 1989.

Armstrong, W.P. Wayne's Word: A Newsletter Of Natural History Trivia.  
<http://waynesword.palomar.edu> 2002.

## **SUGGESTED READING:**

A large selection of suggested readings is available to students (e.g., texts by Audubon, Peterson guides to plants as well as other location-oriented field guides).

## **REQUIRED WRITING:**

A field notebook or log is required of all students. Writings in the log should include: abiotic and biotic parameters observed, 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. Proper grammar and linguistic style are required.

## **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: pre-departure readings in text and other course materials, as well as readings of course materials during trip, study of lecture notes, and preparation and review of field log.

**INSTRUCTIONAL METHODOLOGY:**

**Check all that apply:**

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

**DISTANCE LEARNING:**

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

Yes  No

**If yes, check all that apply:**

- Television Course (Video one-way, e.g. ITV, video cassette, etc.)
- Online Course (Text one-way, e.g. newspaper, correspondence, electronic file, etc.)
- Two-Way Video Conferencing (Two-way interactive video and audio)
- One-Way Video Conferencing (One-way interactive video and two-way interactive audio)
- Computer Assisted Instruction (A specialized form of mediated instruction relying primarily on student access to information and prepared lessons or teaching materials through a computer terminal, but not under immediate supervision of a qualified instructor.)

**GRADING POLICY AND STANDARDS** (include methods of determining whether the stated objectives have been met by students):

Participation in the daily class activities	60%
Writings including the "log" (field journal)	40%

TOTAL = 100%

**IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?**

Yes  No  Number of times course may be taken for credit: 4 times

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

**CONTACT PERSON:** Daniel Sourbeer x2775

<b>SIGNATURES ON FILE</b>
---------------------------