

Appendix C
College of Micronesia-FSM

COURSE OUTLINE COVER PAGE

Ethnobotany
Course Title

SC/SS 115
Department and Number

Course Description

Students will be able to identify, compare, and contrast the distinguishing morphological and reproductive characteristics of plants used by Micronesians; observe, describe, communicate, and experience the uses of plants in their cultural context.

Course Prepared by: Dana Lee Ling • State: National site

	Hours Per Week	No. of weeks	Total Hours	Semester Credits
Lecture/Discussion 3		x 16	= 48	3
Laboratory				
Workshop				
			Total Semester Credits	3

Purpose of Course

Degree requirement

Degree elective X [Science or social science]
Certificate
Other

Prerequisite Course: ESL 089 Reading V

Signatures

Chairperson, Curriculum Committee: _____ Date: _____

President, COM-FSM: _____ Date: _____

College of Micronesia-FSM

COURSE OUTLINE FORMAT

1. Course Objectives

A. Program learning outcomes

1. Define and explain the concepts, principles, and theories of a field of science.
2. Demonstrate basic cultural literacy of the Micronesian region.
3. Demonstrate the ability to read, speak and write effectively in English about Micronesian Studies Program course content.

B. Specific student learning outcomes for course

Botanic

1. Identify local plants by local and scientific names.
2. Compare and contrast the distinguishing reproductive characteristics of different phyla of plants including mosses, seedless vascular plants, gymnosperms, and angiosperms.
3. Label the key morphological features of the different phyla of plants including mosses, seedless vascular plants, gymnosperms, and angiosperms including the morphology of the reproductive structures.

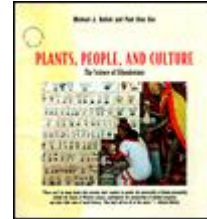
Ethnographic

4. Communicate and describe the healing uses of local plants and the cultural contexts in which that healing occurs.
5. Contribute, participate in, and experience eating local food made from plants and describe the production process.
6. Communicate and describe the use of plants for transportation, for shelter, and in other material culture applications.
7. Describe and observe the use, role, and importance of psychoactive plants within their traditional ceremonial cultural contexts.
8. [optional] Participate in the development and maintenance of an ethnobotanical garden.

II. Course content

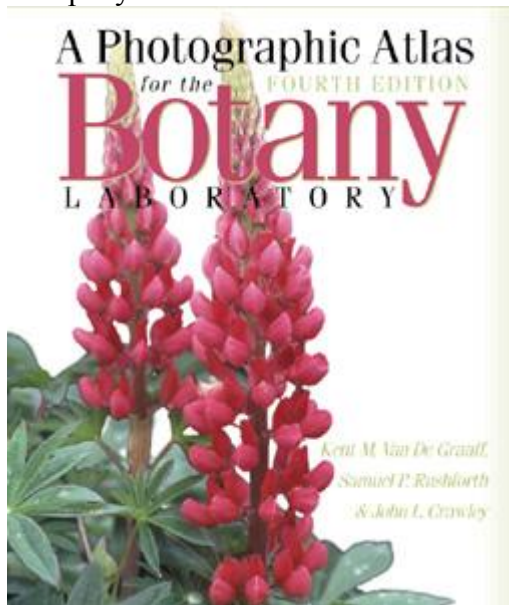
- A. Cyanophyta, mosses, and seedless vascular plants
- B. Healing plants
- C. Gymnosperms
- D. Food plants
- E. Angiosperms: vegetative morphology
- F. Material culture plants
- G. Angiosperms: floral morphology
- H. Psychoactive plants
- I. [optional] Ethnobotanic garden

Textbooks



A. *Plants, people, and culture: The Science of Ethnobotany*. ©2005 Balick, Michael J., and Cox, Paul Alan. ISBN 0615129536. Distributed by the American Botanical Council, P.O. Box 144345, Austin, Texas, 78714-4345, Herbalgram.org, Phone: 512-926-4900

B. *A Photographic Atlas for the Botany Laboratory*, 4th [or subsequent editions] Kent Van de Graff, John L. Crawley Samuel R. Rushforth. Morton Publishing Company



IV. **Required course materials:** No specific materials.

V. **Reference materials:** No specific materials.

VI. **Instructional cost:** Field trips or hikes to a local botanic garden where possible. Each term the course on Pohnpei also observes a kava ceremony.

VII. **Methods of instruction:** This course emphasizes participation via presentations by students, hikes on which students learn to field identify plants, the preparation of

local foods to share with other students, field trips to botanic gardens and ethnobotanically relevant ceremonies. Students engage in group work, hikes, field trips, presentations. Other methods include lectures and guest speakers. Evaluation will include tests, a midterm, essay questions, and evidence of work done via presentations.

VIII. **Evaluation:** No credit by examination.

IX. **Attendance policy:** As per COM-FSM policy in current catalog.

X. **Academic honesty:** As per COM-FSM policy in current catalog.