

College of Micronesia-FSM

PO Box 159
Pohnpei, FM 96941

AGRICULTURE (AG) 088 Landscaping

Course Description (Catalog)

Designed to prepare students to work in either private or public sectors with basic skills and knowledge in landscape design, construction and maintenance; identification of local ornamental plant materials and nursery propagation practices.

Course Prepared by:

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	Hours / Week	#. Of Weeks	Total Hours	Semester Credits
Lecture	3	16	48	3
Laboratory				
Workshop				
Total Semester Credits				3

Purpose of Course:

Degree Requirement: _____

Degree Elective: _____

Certificate: _____ X _____

Remedial: _____

Other: _____

Prerequisite of Courses:

None

Signature, Chair Curriculum Committee

Date Approved by Committee

Signature, President, COM-FSM

Date Approved by President

AG 088 Landscaping

I COURSE OBJECTIVE

Program Learning Outcomes:

Upon successful completion of the Certificate of Achievement in Agriculture & Food Technology, students will be able to:

1. Demonstrate an overall knowledge of the crop production process.
2. Practice good agricultural management and marketing skills.
3. Identify and demonstrate the fundamentals of food processing, preparation techniques, the relationship between scientific principles and cooking procedures.
4. Identify and demonstrate basic skills and principles of swine and poultry production techniques including breed selection, feed, housing, management techniques and animal health.
5. Apply the basic skills and knowledge of nursery micropropagation practices, transplanting, harvesting and maintenance.
6. Identify the proper use of land for agriculture purposes, local ornamental and turf management.

Student Learning Outcomes:

By the end of the course, students will be able to:

1. Define landscaping and its relationship with other fields of study.
 - 1.1. Define the term landscaping and its origins.
 - 1.2. Describe how landscaping interacts with the arts.
 - 1.3. Describe how landscaping interacts with architecture.
 - 1.4. Describe how landscaping interacts with ecology.
 - 1.5. Describe how landscaping interacts with planning.
 - 1.6. Describe how landscaping interacts with horticulture.
2. Describe the basic principles of landscape design.
 - 2.1. Describe the elements of art like color, line, form, texture and scale.
 - 2.2. Describe design principles like unity, balance, transition, focalization, rhythm and simplicity.
3. Describe and demonstrate in the steps in developing a landscape design.
 - 3.1. Describe and demonstrate how to develop a plot plan.
 - 3.2. Describe and demonstrate how to conduct a site analysis.
 - 3.3. Describe and demonstrate how to create a design.
 - 3.4. Describe and demonstrate the process of plant selection.
4. Identify and describe the propagation of commonly used landscape plant materials in the immediate community.
 - 4.1. Identify commonly used plant materials by common names and scientific names.
 - 4.2. Demonstrate propagation of commonly used plant materials.
5. Demonstrate basic landscape operations.
 - 5.1. Demonstrate lawn establishment and maintenance.
 - 5.2. Demonstrate pruning, fertilization and pest management.

II COURSE CONTENT

1. Landscaping; definition; its relation to other branches such as arts, architecture, ecology, planning and horticulture
2. History of landscape architecture in the Middle-East, Babylon, Chinese gardens, Japanese gardens, Italian, French, English, and Indian landscape architecture
3. Elements of landscape architecture
4. Design process, site identification and site analysis
5. Construction phase and follow up maintenance
6. The principles of landscape design
7. Plant propagation – sexual and asexual – nursery practices, transplanting and continued care and management
8. Vegetative propagation by cutting, layering, and grafting. Preparation of container
9. Lawn: soil preparation, starting the lawn by seeds and by vegetative propagation and maintenance
10. Pesticides: use of different types of pesticides
11. Composting: procedure of compost making
12. The Interior Landscape: house plants, caring for interior plants
13. Techniques of pruning: Why plants are pruned, Tools for pruning , Types of Pruning, How and when to prune

III TEXTBOOK

Biondo, R.B. and C.B. Schroeder. *Introduction to Landscaping: Design, Construction and Maintenance*. 3rd Edition (or latest edition). Danville, IL: Interstate Publishers, Inc., 2003. ISBN 978-0813432366 (available in the COM-FSM Kosrae Library)

IV REFERENCE MATERIALS

Llamas, K.A. *Tropical Flowering Plants: A Guide to Identification and Cultivation*. Portland, OR: Timber Press, 2003. ISBN: 0-88192-585-3 (Available in the COM-FSM Library)

Rauch, F.D. and P.R. Weissich. *Plants for Tropical Landscapes: A Gardener's Guide*. Honolulu: University of Hawaii Press, 2000. ISBN: 0-8248-2034-7 (Available in the COM-FSM Library)

Simonds, J.O. *Landscape Architecture: A Manual of Site Planning and Design* (or most recent edition). New York: McGraw Hill, 1983. ISBN: 0-07-057448-0 (Available in the COM-FSM Library)

V REQUIRED COURSE MATERIALS

Drawing pencils
Hand shears
Gardening gloves
Calculator

V INSTRUCTIONAL MATERIALS/EQUIPMENT AND COST FOR THE COLLEGE

Handtools (shovel, rake, lopping shears, pruning shears)	\$300/semester
Measuring supplies (measuring tape/ruler)	\$ 50/semester
Drawing supplies	\$ 50/semester
Potting supplies	\$ 200/semester
Fertilizers	\$ 50/semester
Total	\$ 650/semester

VII METHODS OF INSTRUCTION

Lectures, demonstrations, site visits
Class landscaping project

VIII EVALUATION

100 – 90 = A
89 – 80 = B
79 – 70 = C
69 – 60 = D
59 – Below = F

IX CREDIT-BY-EXAMINATION

None.

X ATTENDANCE POLICY

College of Micronesia-FSM Attendance Policy will be applied.

XI ACADEMIC HONESTY POLICY

College of Micronesia-FSM Academic Honesty Policy will be applied.