

INSTITUTE	FACULTY OF AGRICULTURE
PROGRAM	BACHELOR OF SCIENCE (Hons.) AGRICULTURE
SEMESTER	5
COURSE TITLE	LANDSCAPING
COURSE CODE	16AS0511
COURSE CREDITS	3

Objective:

- 1 To provide the basic knowledge about importance of landscaping with their significance in human life.
- 2 To impart the knowledge about gardening, bonsai, trees, climber, creeper, pot plants establishment and maintenance.

Course Outcomes: After completion of this course, student will be able to:

- 1 Students will acquire knowledge about scope and importance of ornamental crops, MAP and landscaping.
- 2 Students will be able to identify various ornamental, medicinal and aromatic plants.
- 3 Students will be able to gain knowledge of cultivation techniques for planting of ornamental, medicinal and aromatic plants.
- 4 Students will be able to acquire knowledge about importance of value addition in flower crop or MAP.

Pre-requisite of course:To provide knowledge about landscaping and gardening.

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
2	0	2	50	30	20	25	25

Contents : Unit	Topics	Contact Hours
1	1 Importance and scope of landscaping	2
2	2 Principles of landscaping, garden styles and types	2
3	3 terrace gardening, vertical gardening, garden components, adornments, lawn making, rockery, water garden, walk-paths, bridges, other constructed features etc. gardens for special purposes	2

Contents : Unit	Topics	Contact Hours
4	4 Trees: selection, propagation, planting schemes, canopy management, shrubs and herbaceous perennials: selection, propagation, planting schemes, architecture	2
5	5 Climber and creepers: importance, selection, propagation, planting	2
6	6 Annuals: selection, propagation, planting scheme	2
7	7 Other garden plants: palms, ferns, grasses and cacti succulents	2
8	8 Pot plants: selection, arrangement, management	2
9	9 Bio-aesthetic planning: definition, need, planning	2
10	10 landscaping of urban and rural areas, Peri-urban landscaping, Landscaping of schools, public places like bus station, railway station, townships, river banks, hospitals, play grounds, airports, industries, institutions	2
11	11 Bonsai: principles and management	2
12	12 lawn: establishment and maintenance. CAD application	2
Total Hours		24

Suggested List of Experiments:

Contents : Unit	Topics	Contact Hours
1	1 Identification of trees, shrubs, annuals, pot plants	2
2	2 Propagation of trees, shrubs and annuals	2
3	3 care and maintenance of plants, potting and repotting	2
4	4 identification of tools and implements used in landscape design	2
5	5 training and pruning of plants for special effects	2
6	6 lawn establishment and maintenance	2
7	7 layout of formal gardens, informal gardens	2

Suggested List of Experiments:

Contents : Unit	Topics	Contact Hours
8	8 special type of gardens (sunken garden, terrace garden, rock garden) and designing of conservatory and lathe house	2
9	9 Use of computer software	2
10	10 visit to important gardens/ parks/ institutes	2
Total Hours		20

Textbook :

- 1 NA, NA, NA, NA

References:

- 1 Floriculture in India, Floriculture in India, Dr. G. S. Randhawa, Allied publishers pvt. ltd., 2004
- 2 Textbook of floriculture & landscaping, Textbook of floriculture & landscaping, Anil K. Singh, Anjana Sisodia, New India Publishing Agency, 2017
- 3 Floriculture at a glance, Floriculture at a glance, Deshraj, Kalyani, 2008

Suggested Theory Distribution:

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery and evaluation					
Remember / Knowledge	Understand	Apply	Analyze	Evaluate	Higher order Thinking
25.00	25.00	20.00	10.00	10.00	10.00

Instructional Method:

- 1 The course delivery method will depend upon the requirement of content and need of students. The teacher in addition to conventional teaching method by black board may also use any of tools such as demonstration, role play, quiz, brainstorming, MOOCs etc.
- 2 The internal evaluation will be done on the basis of continuous evaluation of students in the class-room.
- 3 Practical examination will be conducted at the end of semester for evaluation of performance of students in laboratory.
- 4 Students will use supplementary resources such as online videos, NPTEL videos, e-courses, Virtual Laboratory