

21ELCT382 LANDSCAPING

Hours Per Week :

L	T	P	C
2	-	2	3

Total Hours :

L	T	P
30	-	60



Source:

<https://www.permaculturenews.org/2013/11/22/making-terrace-garden/>

COURSE DESCRIPTION AND OBJECTIVES:

The main objective of this subject is to know about the landscaping

COURSE OUTCOMES:

Upon completion of the course, the student will be able to achieve the following outcomes:

COs	Course Outcomes
1	Student will be able to landscaping the terrace gardening, vertical gardening, garden components, adornments etc
2	Students will learn about climber and creepers: importance, selection, propagation, planting

SKILLS:

- ✓ Identification of trees, shrubs, annuals, pot plants
- ✓ Propagation of trees, shrubs and annuals, care and maintenance of plants, potting and repotting
- ✓ Identify of tools and implements used in landscape design, training and pruning of plants
- ✓ Maintenance of terrace garden

ACTIVITIES:

- o *Visit to important gardens / parks / institutes*
- o *Practice different propagation techniques of trees, shrubs and annuals, care and maintenance of plants, potting and repotting*
- o *Handling of tools and implements used in landscape design, training and pruning of plants*
- o *Establishment and maintenance layout of formal gardens and informal gardens*

UNIT - 1

Importance and scope of landscaping: Principles of landscaping, garden styles and types, terrace gardening, vertical gardening. Garden components, adornments, lawn making, rockery, water garden, walk-paths, bridges, other constructed features etc. gardens for special purposes

UNIT - 2

Trees: selection, propagation, planting schemes, canopy management, shrubs and herbaceous perennials: selection, propagation, planting schemes, architecture

UNIT - 3

Climber and creepers: importance, selection, propagation, planting, Annuals: selection, propagation, planting scheme, Other garden plants: palms, ferns, grasses and cacti succulents

UNIT - 4

Pot plants: selection, arrangement, management. Bio - aesthetic planning: definition, need, planning; 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

UNIT - 5

Bonsai: principles and management, lawn: establishment and maintenance. CAD applications

LABORATORY EXPERIMENTS**LIST OF EXPERIMENTS**

1. Identification of avenue trees
2. Identification of shrubs
3. Identification of annuals
4. Identification of pot plants
5. Propagation of ornamental trees and shrubs
6. Propagation of annuals, care and maintenance of plants
7. Potting and repotting of ornamentals
8. Identification of tools and implements used in landscape design
9. Training and pruning of plants for special effects
10. Lawn establishment and maintenance
11. Study of planning, designing and layout of formal gardens and informal gardens
12. Layout of special type of gardens (sunken garden, terrace garden, rock garden)
13. Designing of conservatory and lath house
14. Use of computer software
15. Visit to important gardens/ parks/ institutes

REFERENCES:

1. Bhattacharjee, S. K. 2004. *Landscape Gardening and Design with plants*. Aavishkar Publishers and Distributors, Jaipur
2. Chadha K.L and Choudhary, B. *Ornamental Horticulture in India*. ICAR, New Delhi
3. Bose, T.K. 1999. *Floriculture and Landscaping*. Naya Prakash, Kolkatta
4. Randhawa, G.S. and Mukhopadhyaya, A. 1998. *Floriculture in India*. Allied Publishers Pvt. Ltd., New Delhi
5. Chattopadhyay, S.K. 2007. *Commercial Floriculture*. Gene-Tech Books, New Delhi
6. Bose T.K., B. Chowdhury and S.P. Sharma 2001. *Tropical garden plants in colour*. Horticulture and Allied Publishers, Kolkata
7. Veena Amarnath, 2012. *Nursery and Landscaping*. AGROBIOS, Jhodpur

