

Course Code	Course Name	Credits
26BY108	FLORICULTURE	04

Course Objectives

- Enlighten significance and scopes of floriculture.
- Familiarization with local flower species.
- To provide knowledge of cultivation techniques used in floriculture.
- Enlighten the use and maintenance of Bonsai.
- To understand the importance of floriculture and horticultural societies

Learning Outcomes

Upon successful completion of this course it is intended that a student will be able to:

- Familiarize local ornamental flower species.
- Learn about the flower culturing techniques.
- Know about Bonsai and its preparation and management.
- Demonstrate skills in flower arrangement, landscaping, and post-harvest management.
- Analyze market trends and develop basic knowledge of commercial floriculture practices and entrepreneurship.

Unit 1- Scope and Importance (12 Hrs).

Floriculture: Importance, scope and significance, Importance of Floriculture in Nagaland, Classification based on habitat. Components of floriculture: ornamental gardening, commercial floriculture, landscape gardening, arboriculture.

Unit-2 - Commercial floriculture (12 Hrs).

Commercial floriculture: Factors affecting flower production; Production and packaging of cutflowers; Flower arrangements; Methods to prolong vase life. Cultivation of Important cut flowers-Carnation, Aster, Chrysanthemum, Dahlia, Gerbera, Gladiolous, Marigold, Rose, Lilium). Diseases and Pests of Ornamental Plants.

Unit 3 – Cultivation (12 Hrs).

Propagation and agro techniques for flower crops like rose, gladiolus, tuberose, chrysanthemum, carnation, gerbera, anthurium, orchid, lilium, dahlia, marigold, seasonal flowers, cut foliage and fillers, cascade, bottom pot pocon.

Unit 4- Landscape gardening and Arboriculture (12 Hrs).

Importance and value of trees selection, planting, maintenance and care of trees-role of trees in landscaping. Bonsai: basic styles - identification of plants suitable for Bonsai - Bonsai containers - Operation required: pruning, nipping and wiring.

Unit-5 - Flower arrangement (12 Hrs).

principles, different styles: Fresh, dry and artificial: practical hints for flower arrangement-flower carpet-preparation of bouquets, wreaths and garlands. Techniques to prolong the vase life of flowers - practical application of flower arrangement - vegetable carving and decorations. Floriculture promotion and extension: Role of agri-horticultural societies. Problems and prospects of floriculture industry with special reference to international trade.

Reference Books:

1. Wonders of Floriculture (June 2024) - Publisher: AKINT.
2. Commercial Floriculture and Landscaping (October 2024) - Author: Rajendra Sing.
3. Floriculture at a Glance - 6th Edition (2025–2026) - Author: Desh Raj (Kalyani Publishers) - *Highly recommended for JRF/SRF/NET.*
4. Nihzesa Floriculture - 2nd Edition (March 2023) - Authors: V. Bhargav, K. Raja Babu.
5. Objective Floriculture and Landscaping - 6th Edition (2026).