

Course Code	Course Name	Credits
26BY153	ANGIOSPERM MORPHOLOGY AND TAXONOMY LAB	02

### Objective

This course focuses on educating students about the morphology of flowering plants through practical sessions. It introduces them to herbarium techniques and the preparation of herbarium specimens. The course also aims to develop an understanding of plant diversity, including description, identification, and nomenclature. In addition, students are trained to identify plant families based on observable characters using standard keys.

1. Specimen for spotter: Modification of root, stem, leaves. Types of Inflorescence, flowers and fruits.
2. Study of the vegetative and floral parts of plants belonging to the families mentioned in the syllabus with floral formula and floral diagram.
  - i. Magnoliaceae
  - ii. Brassicaceae,
  - iii. Rutaceae
  - iv. Fabaceae
  - v. Cucurbitaceae
  - vi. Rubiaceae
  - vii. Asteraceae
  - viii. Apocynaceae
  - ix. Solanaceae
  - x. Verbenaceae
  - xi. Euphorbiaceae
  - xii. Orchidaceae
  - xiii. Liliaceae and
  - xiv. Poaceae.
3. Economic importance of the families studied.
4. Identification of plant belonging to the families prescribed in the syllabus using standard Key.
5. Field visit, Maintenance of field note book and preparation and submission of field note and 20 herbarium sheets.

*Students are required to perform and record at least eight experiments in the laboratory manual as part of the course requirements.*