

**COURSE: TAXONOMY OF ANGIOSPERMS**  
**Course Code: BOT(N) 201**

**Syllabus**

- Historical background and evolution of classifications: Classification proposed by Bentham and Hooker, Engler and Prantl and Hutchinson of Angiosperms
- Basic principles, plant nomenclature and International Code of Nomenclature of algae, fungi and plants (ICN) - history, principles and applications
- Tools and techniques in collection and preservation of specimens: For herbarium and Museum
- Botanical gardens and Herbaria: Historical background of Botanical Survey of India (BSI)
- Systematics, distinguishing characters, important genera and economic importance of the families:
  - Ranunculaceae, Caryophyllaceae and Rutaceae
  - Rosaceae, Fabaceae and Asclepiadaceae
  - Solanaceae, Acanthaceae and Lamiaceae
  - Orchidaceae, Liliaceae, and Poaceae

**Unit Schedule**

**BLOCK-1: TAXONOMY OF ANGIOSPERMS**

- Unit-01 : Historical background and evolution of classification of Angiosperms  
Unit-02 : Basic principles, plant nomenclature and ICN  
Unit-03 : Tools and techniques in collection and preservation of specimens  
Unit-04 : Botanical Gardens and Herbaria

**BLOCK-2: FAMILIES**

- Unit-05 : Ranunculaceae, Caryophyllaceae and Rutaceae  
Unit-06 : Rosaceae, Fabaceae and Asclepiadaceae  
Unit-07 : Solanaceae, Acanthaceae and Lamiaceae  
Unit-08 : Orchidaceae, Liliaceae and Poaceae

**Course: TAXONOMY OF ANGIOSPERMS (LABORATORY COURSE)**

**Course Code: BOT(N) 201L**

**Syllabus**

- **Taxonomy of Angiosperms:** Identification of locally available plants belonging to the families mentioned in the syllabus (Ranunculaceae, Caryophyllaceae, Rutaceae, Rosaceae, Fabaceae, Asclepiadaceae, Solanaceae, Acanthaceae, Lamiaceae, Orchidaceae, Liliaceae, and Poaceae), their description in semi technical language and collection of plant specimens-herbarium and /or live specimen

**Unit Schedule**

- Unit-01 : Identification of locally available plants belonging to the families mentioned in the syllabus and their botanical description in semi technical language
- Unit-02 : Collection of plant specimens-herbarium and /or live specimen