

Apiculture

Program Outcomes

- Provide knowledge on economic aspects of livestock management.
- Make available information on lucrative facets of animal rearing and goods obtained.
- To familiarize with apiculture features

Course Outcomes

- Foundation through skilled learning for entrepreneurship.
- Acquire skills in developing economically viable ventures using bees.
- To know the basic concepts of beekeeping.
- Discern bee species, understand culture techniques, honey harvesting, and the identification and management of diseases and pests.
- Students will be equipped with practical knowledge that can be immediately applied in the field or even used to start their own beekeeping enterprise

Learning Outcomes

- Gain knowledge of the Biology of Bees, their identification, and social structure.
- Acquire skills in rearing bees and honey extraction.
- Identify pests of bees and their control and eradication.
- Skilled learning for entrepreneurship.

Unit 1:

Biology of Bees: Apis and Non-Apis Bee species and their identification. General Morphology of Apis Honey Bees. Social Organization of Bee Colony.

Unit 2:

Rearing of Bees: Artificial Bee rearing (Apiary), Beehives – Newton and Langstroth box, Bee Pasturage, Selection of Bee Species for Apiculture, Modern Bee Keeping Equipment, Methods of Extraction of Honey (Indigenous and Modern).

Unit 3:

Diseases and Enemies: Bee Diseases and Enemies, Control and Preventive measures

Unit 4:

Bee Economy and Entrepreneurship: Products of Apiculture Industry and their uses- Honey, Bees Wax, Propolis, Pollen. Bee Keeping Industry – Recent Efforts, Modern Methods in employing artificial Beehives for cross pollination in horticultural gardens.