



CLUSTER UNIVERSITY SRINAGAR

SYLLABUS (FYUP UNDER NEP 2020)

Offered By Department of Zoology

Semester 1st Skill Enhancement Course (SEC)

Course Title: Beekeeper-I

Course Code: AGR/Q5301 (UG23ZOOS102)

Credits: 4 (Theory: 1, Practical: 3)

Contact Hrs: 105 (Theory: 15, Practical: 90)

Max. Marks 100

Theory: 25; Min Marks: 10

Practical: 75, Min. Marks: 30

Objectives:

- To understand the process of inspecting and maintaining the beehives.
- To demonstrate the process of harvesting, processing and marketing honey and related produce.
- To demonstrate various practices to maintain health, hygiene and safety at the workplace.

Training Outcomes:

After completing this programme, participants will be able to:

- Describe the process of preparing for and starting a beekeeping operation.
- Describe the process of inspecting and maintaining the beehives.
- Demonstrate the process of harvesting, processing and marketing honey and related produce.
- Explain the basic entrepreneurial activities for small enterprise.
- Describe the process of undertaking employability and entrepreneurial practices.
- Explain the importance of following inclusive practices for all genders and PwD at work.
- Demonstrate various practices to maintain health, hygiene and safety at the workplace.

Unit I

Introduction to the role of a Beekeeper: Size and scope of the agriculture industry and its sub-sectors, role and responsibilities of a Beekeeper, various employment opportunities for a Beekeeper.

Unit II

Beekeeping operations: Different species of bees and their life span, role played by honeybees in biodiversity conservation and maintaining ecological balance through pollination and plant reproduction, natural habitats of different species of bees, different modern and traditional beekeeping systems, their economic aspects and the ease of management, criteria for selecting a beekeeping system to be used based on cost-benefit analysis.

Unit III

Beekeeping operations: Climatic conditions required for beekeeping, stationery and migratory beekeeping systems, honey yield obtained from different beekeeping systems, cost-benefit analysis to select an appropriate beekeeping system, importance of selecting and using cost-effective and easily available tools and equipment for beekeeping, importance of planning beekeeping according to the flowering season.

Unit IV

Beekeeping operations: Criteria for selecting a site and location for beekeeping; nectar and water for bee feed, importance of nectar and pollen yielding flowers near the site along-with trees.