

**DEPARTMENT OF ZOOLOGY**  
**HOOGLHY WOMEN'S COLLEGE**  
**B.Sc. with Zoology (CCFUP under NEP, 2020)**  
**2023-2026**

**COURSE OUTCOME (CO)**

**CO-1**

**ZOOL 1011: Non-Chordates**

Students learn the Systematic and biology of non-chordates through their adaptive features and their body organization, comprehend the identification of species and their evolutionary relationships.

**CO-2**

**ZOOL 1031: Introduction to Animalia**

Students will get general zoological overview of the animal world and a working knowledge of fundamental concepts that will help in further understanding of the course curriculum. Students will be familiar with animal classification schemes and associated taxonomic group diagnostic features. It will also help in developing and understanding and ability to apply basic zoological principles.

**CO-3**

**ZOOL 1051: Apiculture**

Students will get complete knowledge of honeybees and their different casts. They will get knowledge about artificial beehive and their uses for apiculture. They will know about different diseases on enemies of honeybees and the preventive measures. Students will know the techniques of honey extraction and handling of honeybees. They will get brief idea about entrepreneurship in Apiculture.

**CO-4**

**ZOOL 1051: Vermiculture**

The Course has broad scope for Employability. Students will gather knowledge on earthworms; their characteristic features, occurrence, and their influence on soil fertility and solid waste management are included. They will get knowledge on Vermicomposting technology in respect of the global level as well as the Indian perspective. They will know the application of Vermiculture products and their benefits in agriculture practice.

**CO-5**

**ZOOL 2011: Chordates**

The students will get knowledge to explain the diversity of Protochordates and chordates, identify the taxonomic position of chordates, their diversity, and their distribution. Gain insights about economic importance and significance Pieces and Pisciculture. They can identify

and distinguish between poisonous and non-poisonous snakes by observing characteristic features. Students will gain knowledge about the composition and significance of venom. They will gain insights about the structural specialties of birds which will help them for Poultry (commercial application). Adaptive radiation of Mammals will give the insight into diversity and distribution of Mammals.

#### **CO-6**

##### **ZOOL 2031: Applied Zoology**

Students will get knowledge of different aspects of applied Zoology and understanding about culture processes and rearing of different economically important animals. They will be able to know about different diseases and enemies of economically important animals and will get brief idea about the advantages and limitations of different economically important animals.

#### **CO-7**

##### **ZOOL 2051: Sericulture**

Students will get complete knowledge of silkworms and their diversity. They will know about technologies of silkworm culture and making of silk. They will also know about different diseases and enemies of silkworms. Students will get brief idea about entrepreneurship in Sericulture.

#### **CO-8**

##### **ZOOL 2051: Aquarium Fish Keeping**

Students will know about basic needs to setup an aquarium, i.e., dechlorinated water reflector, filters, scavenger, aquatic plants etc. and the ways to make it cost-effective. They will learn to manage fish diseases. They can prepare the proper dosage of different natural and synthetic fish feed. They will develop personal skills in the maintenance of aquarium and will become aware of aquarium as commercial, decorative items and of scientific values.