



हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय

Central University of Himachal Pradesh

(Established under Central Universities Act 2009)

शाहपुर शैक्षणिक खण्ड, जिला काँगड़ा, हिमाचल प्रदेश -176206

Academic Block, Shahpur, Distt. Kangra (HP) – 176206

Website: www.cuhimachal.ac.in

SEMESTER - II

Course Code: ZOO 473

Course Name: Animal Behaviour

Credit: 02

Course Learning Objective:

- To understand the historical foundations of the field, as well as current theories and evidence for a broad range of behavioral topics.
- Behavioral ecology and the evolution of behaviors as adaptations will be recurring themes interwoven through all topics discussed. The purpose of the Animal Behavior Laboratory is for students to have hands-on experiences designing and implementing experiments that concern a variety of behavior.

Course Learning Outcomes: At the completion of their Animal Behavior course, students will be able to:

- Exhibit critical and integrative thinking skills
- Demonstrate ability to communicate scientific information in both oral and written formats
- Demonstrate knowledge of key concepts in animal behavior
- Exhibit quantitative research skills (or demonstrate ability to perform all parts of the scientific method)

Course Content:

UNIT- I: INTRODUCTION

Introduction -Definition, Ethology, History of the study of animal behavior and contribution of scientists; significance of Animal behaviour, objectives of behaviour; Approaches and methods in study of behaviour.

UNIT- II: PATTERNS OF BEHAVIOUR

Reflexes- reflex action, types of reflexes, reflex arch, characteristics of reflexes; Orientation and Navigation, Migration in fishes and birds; Individual behavioural patterns; Fixed action pattern, Instinct and Learnt Behaviour; Associative learning, classical and operant conditioning, Habituation, Imprinting; Learning and memory.

UNIT- III: ROLE OF BRAIN, HORMONES AND PHEROMONES

Hormones and pheromones in regulation of behaviour; Motivation; Mimicry, mimetic releaser and code breakers; Biological rhythms- Types and characteristics.

UNIT- IV: SOCIAL BEHAVIOR