



**Darrang College
(Autonomous),
Tezpur-784001**

Syllabus for Certificate Course

Course Name: Certificate Course in Wildlife Conservation
and Management

Approved by :

Academic Council vide Resolution no. DC/AC/2/2025/07 dated 29-12-2025

DEPARTMENT OF ZOOLOGY

Darrang College, Tezpur

Certificate Course in Wildlife Conservation and Management

Course layout:

Week 1: Introduction to wildlife conservation, Importance, Threats

Definition of Wildlife, Values of Wildlife, History and importance of WL conservation, Laws & Acts for wildlife conservation

Week 2: Monitoring of Wild animals

Census Methods (Pug marks, camera trapping, sign surveys), Radio collaring

Week 3 and 4: Wildlife management

Habitat analysis (fragmentation and edge effect), Physical factors analysis, biological factors analysis, Various habitat types, Corridors & Connectivities; Translocation of wild animals; Illegal Wildlife Trade (IWT) and its prevention, international treaties/conventions to prevent IWT

Week 5: Management of wildlife diseases

Common diseases of Wildlife, Zoonotic diseases and their transmission threats and management, Care of injured and diseased animals, Capturing and restraining Wild animals

Week 6: In-situ and Ex-situ conservation

In In-situ conservation study of National Park, Sanctuaries, etc.

In Ex-situ conservation study of Botanical Garden, Zoological Park, Aquarium etc.

Week 7: Human Wildlife Conflict (HWC) and its management

Conflicts with herbivores, Conflicts with carnivores, Case studies from Assam and other states of India

Week 8: Conservation success stories

Rhino conservation in Kaziranga and Manas, Pygmy hog conservation in Manas

Practical:

1. Study of basic equipment needed in Wildlife studies, use, care and maintenance (Compass, Binoculars, various types of cameras and lenses etc.)
2. Identification of Avian fauna
3. Field visit of any In-situ/ Ex-situ conservation centers.

Experts Recommended for Certificate Course Curriculum:

1. Prof. Ashalata Devi, Department of Environmental Science, Tezpur University
Contact no. – 9435749354.
2. Dr. Anupam Sarmah, Team leader WWF, Tezpur
Contact no.- 03712-260132/260987. Email id- asarmah@wwfindia.net
3. Dr. Bidhan Bora, Associate professor, Department of Botany, Darrang College, Tezpur
Contact no.- 6000818346.