



ARSD College, University of Delhi

Course Handout/Lesson Plan

Course Name : B.Sc./B.A. (Hons.) & (Prog.) I Year Generic Elective NEP-UGCF-2022						
Semester	Course Code	Course Title (GE-02)	Lecture (L)	Tutorial (T)	Practical (P)	Credit (C)
I	2234001002	Nature and wildlife studies Theory	2	0	2	4
Teacher/Instructor(s)		Dr. Swati M. Biswas Dr. Kanchan Srivastava				
Session		2022-23				

Course Objective:

The course is designed to acquaint students with varied aspects of wildlife conservation, including its importance, major threats, and management of habitats and populations. The emphasis will be on developing interest and invoking a sense of responsibility among students towards wildlife conservation. The course also explores different techniques, perspectives, and approaches to both identify and achieve wildlife management goals. Further, students will be motivated to pursue careers in the field of wildlife conservation and management.

Teaching and learning Process:

1. Case studies: The case study approach with real-life examples from the field for better understanding of the subject and its applications.
2. E-Museum: Digital collection of pictures of pugmarks, hoof marks, scats to facilitate observation of their characteristic features.
3. Educational Visits: Laboratory visits to renowned institutions like Wild Life Institute Dehradun and Field visits to various conservation sites like Jim Corbett National Park, Aravali Biodiversity Park and National Zoological Park will practical knowledge of the subject.

Lesson Plan:

Unit No.	Learning Objective	Lecture No.	Topics to be covered
1.	Unit I: Conservation of Nature and Wildlife	1-6	Values of wildlife - positive and negative; Conservation ethics; Importance of conservation; Causes of depletion; World conservation strategies: Wildlife Conservation Society (WCS), Convention on Biological Diversity (CBD), Agenda 21 of United Nations.
2.	Unit II: Evaluation and Management of Wildlife	7-12	Habitat analysis: a) Physical parameters: Topography, Geology, Soil and water; b) Biological Parameters: food, cover, forage; Census method
3.	Unit III: Management of Natural Habitats	13-16	Setting back succession: Grazing logging, Mechanical treatment, Advancing the successional process.
4.	Unit IV: Management Planning of Wildlife in Protected Areas	17-20	Human-wildlife conflict, Captive Breeding, Ecotourism.
5.	Unit V: Wildlife Health and Management	21-24	Care of injured and diseased animals, Quarantine; Zoonotic diseases: Ebola, Salmonellosis, Rabies, Foot and Mouth Disease, MonkeyPox, SARS, Bovine and Avian Flu.
6.	Unit VI: Protected Areas	25-30	National parks and sanctuaries, Biosphere reserves, Conservation and Community reserve, Important features of protected areas in India, Tiger conservation , management and challenges.

Evaluation Scheme:

No.	Component	Duration	Marks
1.	Internal Assessment		20
	Assignment		
	Class Test		
2.	End Semester Theory Examination	2 hr	60

Details of the Course		
Unit	Contents	Contact Hours
1	Unit I: Conservation of Nature and Wildlife	6 hrs
2	Unit II: Evaluation and Management of Wildlife	6hrs
3	Unit III: Management of Natural Habitats	4 hrs
4	Unit IV: Management Planning of Wildlife in Protected Areas	4 hrs
5	Unit V: Wildlife Health and Management	4 hrs
6	Unit VI: Protected Areas	6 hrs
	Total	30

Suggested Books:

Sl. No.	Name of Authors/Books/Publishers	Year of Publication/Reprint
1	Saha, G.K. and Mazumdar, S. Wildlife Biology: An Indian Perspective.	2017
2	A.R.E. Sinclair, J.M. Fryxell and G. Caughley (2006). Wildlife Ecology, Conservation and Management. Wiley-Blackwell, Oxford, UK.	2006
3	S.K. Singh (2005). Textbook of Wildlife Management. IBDC, Lucknow.	2005
4	B.D. Sharma (1999). Indian Wildlife Resources Ecology and Development. Daya Publishing House, Delhi.	1999
5	R.B. Primack (1998). Essentials of Conservation Biology. Sinauer Associates, Inc. Sunderland, MA.	1998

Mode of Evaluation:

Internal Assessment / End Semester Exam