

Course Code: ZOO 311

Course Title: Wildlife Conservation & Management

Number of Credits: 3

Effective from AY: 2020 -21

Prerequisite for the Course:	Basic knowledge in wildlife conservation and management	
Objectives:	<ol style="list-style-type: none">1. To provide graduates in Biology a specialization in the field of Wildlife Conservation and Management2. To generate qualified students who can directly get jobs in the allied fields of Wildlife Conservation and Management;3. To generate qualified postgraduates who can be part professional/Government organizations working in the field of Wildlife Conservation and Management4. To generate a team of post graduates who can take up jobs related to Wildlife Conservation in the educational institutions.5. To generate a skilled post graduates who can undertake research in the field Wildlife biology.	
Contents:	Module 1: WILDLIFE CONSERVATION AND MANAGEMENT: Introduction to Indian Wildlife, History and Diversity, Biogeographic zones, Value of Wildlife, Important Indian fauna and their distribution, Protected Areas, Endemic species;	06 hrs
	IUCN red list: Extinct species of India, Endangered, Threatened, Least concern and Critically Endangered. Climate change and its impact on wildlife. Impacts of pesticides on fauna.	06 hrs
	Module 2: Environmental Ethics and Management: Conservation and Management of Wildlife: Conservation and management: In-situ conservation and Ex-situ conservation; Reintroduction, Ecological Restoration.	03 hrs
	Innovative Methods in Wildlife: Camera Trap, Conservation Drones, Remote Sensing, Radio Telemetry, GIS, GPS Mobile App, Capturing and marking techniques, trapping, darting, tagging and banding, scat analysis, sign survey's.	05 hrs
	Wildlife Census and Indices: Methods of animal census, counting methods. Animals in Indian Mythology. Major Projects. Ecotourism and Environment Impact Assessment	04 hrs
	Module 3: Human Wildlife Conflict: Types of conflict, Prevention or	04 hrs

	<p>precautions, Human Elephant Conflict, Conflict between human, Tiger and Leopard, Conflict with Sloth Bear.</p> <p>Wildlife Trade and Crime: Wildlife products CITES, TRAFFIC, Wildlife Crime Control Bureau in India, Wildlife Forensic.</p> <p>Law, Ministry and Organizations: Wildlife Protection Act of (1972), National Board of Wildlife, Environment Protection Act (1986), Biological Diversity Act (2002), The First National Wildlife Action Plan (NWAP) (1983), National Wildlife Action Plan (2017-2031), MoEFCC,</p> <p>International organizations; UNESCO, IUCN, PETA. National Institutes/Organizations; NTCA, ZSI, BSI, CZA, WII, SACONH, ENVIS. Non-Government Organizations.</p>	<p>02 hrs</p> <p>04 hrs</p> <p>02 hrs</p>
Pedagogy:	Lectures/ tutorials/assignments/self-study	
Learning Outcome:	<ol style="list-style-type: none"> 1. Understand the distribution and diversity of Indian wildlife including their conservation status. 2. Gain insight on the different methods and techniques in wildlife conservation 3. Will gain practical knowledge on wildlife management and conservation 4. Understanding towards implementation of different wildlife projects including various laws, acts and regulations for the conservation of wildlife. 	
References /Reading	<ol style="list-style-type: none"> 1. Abdul Jamil Urfi (2004): Birds beyond Watching, University Press (India) Pvt. Ltd. 2. Dasmann, R.F. (1964) Wildlife biology, John Wiley and Sons, New York. 3. Gary, K., Meffe, Carroll, C.R. and Contributors (1997): Principles of Conservation Biology - 2nd Edition, Sinauer Associates, Inc Sunderland Massachusetts. 4. Giles, R.H. Jr. (Ed 1984): Wildlife management techniques - 3rd edition, The wildlife society, Washington D.C. 5. Grimmet, R., Inskipp, C. & Inskipp, T. (1999): Pocket Guide to the birds of Indian Subcontinent, Oxford University Press, New Delhi. 6. Hosetti, B.B. (2003): Wetlands Conservation and management, Pointer Publishers, Jaipur, India. 7. Kazmerezak Krys and Van Perlo Ber (2000): A field Guide to the birds of India, OM Book Series, New Delhi. 8. Robinson W.L. and Eric G. Bolen (1984): Wildlife Ecology and Management, Millen Publishing Co. New York. 9. Salim Ali (2002): The book of Indian Birds, revised edn. BNHS & Oxford University press, New Delhi. 10. Sharma B.K and Kaur, H. (1986): Environmental Chemistry. Goel Publishing House, Meerut. 	

	<p>11. Teague R.D. (Ed.). 1980. A Manual of wildlife conservation, The Wildlife society Washington D.C.</p> <p>12. Essentials of Conservation Biology, Fourth Edition, by R.B. Primack.</p> <p>13. Wildlife Conservation and Wildlife Management, by Reena Mathur</p>	
--	---	--