

Programme: M. Sc. (Zoology)

Course Code: ZOO-407

Title of the Course: Wildlife and Conservation

Number of Credits: 2

Effective from AY: 2018-19

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| <u>Prerequisites for the course:</u> | Should have studied B. Sc. Zoology or Lifescience. | |
| <u>Objective:</u> | This course develops concepts in wildlife biology such as their importance in ecosystems along with an approach in key conservation methods | |
| <u>Content:</u> | Module 1. Introduction to Indian Wildlife: Habitat diversity of Indian wildlife, Biogeographic zones: faunal zonation; Endemic species; Important Indian fauna and their biology and distribution; IUCN red list: Extinct, Threatened and Least concern. | 12 hours |
| | Module 2. Conservation and Management of Wildlife: Conservation and management: In-situ conservation and Ex-situ conservation; Capturing and marking techniques – entrapping, darting, tagging and banding, scat analysis, pug marks; Regional, National and global Conservation efforts and legal aspects: National and international conventions – CITES, TRAFFIC; Forest laws and wildlife laws in wildlife conservation; Rio Protocol, Rio 20+, Project Tiger, Project Elephant, Gir Lion Project, Crocodile Breeding Projects, Project Hangul(1972). | 12 hours |
| <u>Pedagogy:</u> | Lectures/ tutorials/assignments/self-study | |
| <u>References/Readings</u> | <ol style="list-style-type: none">1. Dasman RF, Wildlife Biology, Wiley Publication, New York.2. Krishnan M, India's Wildlife, Bombay Natural History Society, India.3. Nair SM, Endangered animals of India, National Book Trust, India.4. Noen AN, Wildlife Ecology: An Analytical Approach, WM Freeman and Co, New York.5. Shah JH , Introduction to Wildlife Management, McGraw Hill, New York.6. Usher MB, Wildlife Conservation and Evaluation Chapman and Hall, London. | |
| <u>Learning Outcomes</u> | <ol style="list-style-type: none">1. Understand the distribution and biology of Indian wildlife including their conservation status2. Gain insight on the different methods and projects implemented including various laws, acts and regulations for the conservation of wildlife | |