



WILDLIFE ECOLOGY



PROF. MAINAK DAS

Dept of Biological Science & Bioengineering Science
IIT Kanpur



PROF. ANKUR AWADHIYA

Madhya Pradesh Forest Department
Indian Forest Service

- TYPE OF COURSE** : Rerun | Elective | UG | PG
- PRE-REQUISITES** : +2 Science
- COURSE DURATION** : 12 weeks (20 Jul'20 - 09 Oct'20)
- EXAM DATE** : 18 Oct 2020
- INTENDED AUDIENCE** : Officers and staff of Forest

departments, Students of Forestry, Wildlife conservation and allied disciplines, Policy makers

INDUSTRIES APPLICABLE TO : Tourism industries, Education industries, Green energy industries, Renewable energy / materials industry

COURSE OUTLINE :

Wildlife is an enamouring field for most of us. In my professional tenure, I've observed numerous people flocking to get a glimpse of the tiger, to get an opportunity of diving with the fishes, or to get access to a National Park or a Wildlife Sanctuary. And these experiences gets even more endearing when you get to know how the show is getting managed, how and why we regulate access, and also how we maintain grasslands and water bodies to keep the systems up and running. This course will cover one such aspect of wildlife management by providing an overview of the field of Ecology.

ABOUT INSTRUCTOR :

Dr. Ankur Awadhiya (B. Tech IIT Kanpur 2009, Ph. D IIT Kanpur 2015, AIGNFA IGNFA Dehradun 2016, PGDAWM WII Dehradun 2018) is an IFS officer borne on the Madhya Pradesh cadre. His interests include photography, tourism, research, instrumentation and creative literary pursuits.

Prof. Mainak Das is a Faculty of IIT Kanpur, India in the Department of Biological Science & Bioengineering Science since April 2010. He did his bachelors degree in Agriculture from College of Agriculture, Indore. Thereafter he did his PG in Animal Physiology from National Dairy Research Institute, Karnal, India. He did his doctoral studies from College of Medicine of University of Central Florida.

COURSE PLAN :

- Week 01** : Introduction
- Week 02** : Ecological structure
- Week 03** : Ecological interactions
- Week 04** : Ecological energetics
- Week 05** : Population Ecology
- Week 06** : Community Ecology
- Week 07** : Distribution & abundance
- Week 08** : Management of threatened species
- Week 09** : Human Ecology
- Week 10** : Ecology of change
- Week 11** : Applied Ecology
- Week 12** : Revision