



WILDLIFE ECOLOGY

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Department of
Indian Forest Service
IIT Kanpur

PRE-REQUISITES : Has cleared 10+2 with science

INTENDED AUDIENCE : Officers and staff of Forest departments, Students of Forestry, Wildlife conservation and allied disciplines, Policy makers

INDUSTRY SUPPORT : 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 get 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, and also how it is being used in the understanding and management of our wildlife resources. In this course, we'll use the case study approach with real-life examples from the field to get a better understanding of the field and its applications.

ABOUT INSTRUCTOR :

Prof. Ankur Awadhiya (B. Tech IIT Kanpur 2009, Ph. D IIT Kanpur 2015, AIGNFA IGNTA 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.

COURSE PLAN :

Week 1: Introduction

Week 2: Ecological structure

Week 3: Ecological interactions

Week 4: Ecological energetics

Week 5: Population Ecology

Week 6: Community Ecology

Week 7: Distribution and abundance

Week 8: Management of threatened species

Week 9: Human Ecology

Week 10: Ecology of change

Week 11: Applied Ecology

Week 12: Revision