



FORESTS AND THEIR MANAGEMENT

PROF. ANKUR AWADHIYA

Department of Madhya Pradesh Forest Department
IIT Kanpur

TYPE OF COURSE : Rerun | Elective | UG

COURSE DURATION : 12 weeks (24 Jan' 22 - 15 Apr' 22)

EXAM DATE : 23 Apr 2022

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

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

COURSE OUTLINE :

The Science of Forestry and the management of forests has taken front seat as a mechanism of climate change mitigation. It is one of the few very effective measures available for the sequestration of atmospheric carbon. At the same time, management of forests provides access to tourism avenues, major and minor forest produce, food and water security for wildlife and also for people. In this course, we shall discuss the principles of forestry and silviculture. We shall use case studies and examples from India and abroad to understand how forests are planted, managed and harvested for optimising various economic and ecological values derived from forests.

ABOUT INSTRUCTOR :

Prof. Ankur Awadhiya (B. Tech IIT Kanpur 2009, Ph. D IIT Kanpur 2015, AIGNFA IGNA 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: Basics of silviculture

Week 3: Forest soils

Week 4: Forest mensuration

Week 5: Forest surveying

Week 6: Forest protection

Week 7: Silvicultural management - I

Week 8: Silvicultural management - II

Week 9: Logging and yield

Week 10: Silvicultural practices

Week 11: Newer trends in forestry

Week 12: Revision