

1.	Title of the course	Biodiversity Conservation and Sustainability
2.	Course number	HS504L
3.	Structure of credits	3-0-0-3
4.	Offered to	PG
5.	New course/modification to	Modification To HS5024/21
6.	To be offered by	Department of Humanities and Social Sciences
7.	To take effect from	July 2022
8.	Prerequisite	Nil
9.	<b>Course Objective(s):</b> To explore threats, conservation solutions, and societal challenges linked to sustainability. To analyze solutions and the connection with society and values. To provide real world examples from the Indian scenario.	
10.	<b>Course Content:</b> Biodiversity and threats to biodiversity, extinction processes, conservation values and ethics, India's conservation history; Concepts and solutions: habitat degradation and loss, habitat fragmentation, species invasions, wildlife harvest, designing and managing protected areas, species and landscape approaches, restoration and re-wilding; Climate change biology: the climate system and climate change, evolution, drivers and pace; Impacts of human-induced climate change on species range shifts, phenology, ecosystem functioning, extinction; Modelling future responses; Societal challenges: environmental economics and sustainable development; Integration of science and policy; Applications will be discussed via mini projects and field immersion.	
11.	<b>Textbook(s):</b> 1. Rosenblum E R, <i>Global Change Biology: The Study of Life on a Rapidly Changing Planet</i> , 1st Edition, Oxford University Press (2021).	
12.	<b>Reference(s):</b> 1. Milner-Gulland E J and Rowcliffe J M, <i>Conservation and Sustainable Use: A Handbook of Techniques</i> , 1st Edition, Oxford University Press (2008).	