



SYMBIOSIS COLLEGE OF ARTS AND COMMERCE

An Empowered Autonomous College | Under Savitribai Phule Pune University

Reaccredited 'A+' with 3.51 CGPA For Third Cycle By NAAC | College with Potential for Excellence

UG Curriculum

PROGRAM	BA	BA(Hon)	B.Com	B.Com(Hon)	M.Com	MA - Eng	MA- Eco	MA- Psy
Tick ✓								

SEMESTER	1	2	3	4	5	6	7	8
Tick ✓								

SPECIALIZATIONS									
BA	Eco	Eng	Psy	Gen					
Tick ✓									
BCOM	Costing	Banking	Entrep	MKT	Fin & Acc	Mgt Acc	HRM	Bus Analytics	Gen
Tick ✓									

Name of the Department	Symbiosis Centre for Liberal Arts
Name of Head of Department	Prof.Dr.Hilda David
Title of the Course	Wildlife Biology
Course Code	SC07
Type of Course (New / Revised)	New
Number of Credits	3

Course Outcomes
CO1: Examine the current issues and the state of research in the field.
CO2: Discuss the concepts in the field.
CO3: Apply their skills in future scenarios.
CO4: Evaluate the issues in the field of Conservation and Sustainability.
CO5: Prepare students to become future conservationists, entrepreneurs, social researchers and policy makers alike.

DETAILS OF SYLLABUS		
UNIT NUMBER	DETAILS	NUMBER OF LECTURES
1	What is nature? <ul style="list-style-type: none"> • Origin of life • Diversification of life 	10



	<ul style="list-style-type: none"> • Darwinian evolution • Genes and Genetic variation as the source of evolutionary change • Species distribution and Biogeography • Measuring Biodiversity, Genetic diversity, Bioprospecting 	
2	<p>Ecosystems: Complex networks in nature</p> <ul style="list-style-type: none"> • What are ecosystems? • Ecosystem functioning • Ecosystem diversity – terrestrial and aquatic ecosystems • Ecosystem services and the value of ecosystems • Intrinsic value of biodiversity • Threats to biodiversity • Challenges to ecosystem functioning and the need to reduce human-induced disturbance. 	10
3	<p>Conservation of wildlife and nature</p> <ul style="list-style-type: none"> • Brief history of conservation biology • Species extinctions • Key concepts in conservation biology: Flagship species, Umbrella species, Indicator species • Conservation initiatives for some flagship species • Protected areas – National Parks and Wilderness areas • Importance of zoos and botanical gardens for conservation 	8
4	<p>Humans and nature and the way ahead</p> <ul style="list-style-type: none"> • International organizations and conventions: IUCN, WWF, UNCBD, UNFCCC, CITES • World heritage convention, Ramsar convention • Human-wildlife conflict • Urban wildlife and its conservation • Agroforestry • Environmental activism, conservation movements and green politics • Ecological restoration, green cities, climate change mitigation 	7
5	<p>Observing nature up close</p> <ul style="list-style-type: none"> • Visit to a forest to observe wildlife • Interaction with conservators 	10



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	<ul style="list-style-type: none">• Visit to degraded ecosystems to observe the impact of human activity	
	Total Number of Hours	45
Reference List		
<ol style="list-style-type: none">1. Fundamentals of Conservation Biology, 3rd Edition, Hunter and Gibbs, Blackwell Publishing2. Pastoral Deities of Western India- Gunther Dietz Sontheimer, Oxford Publications3. Connected Places: Region, Pilgrimage, and Geographical Imagination in India, Anne Feldhaus,4. Conservation Biology for All, Navjot Sodhi and Paul Ehrlich, Oxford University Press Early Indians: The Story of Our Ancestors and Where We Came From, Tony Joseph, Juggernaut Books.		

Prof.Dr.Hilda David

Name and Sign of Head