Course Code	ESC2xx
Course Name	Ecology, Evolution, and Environment
Credits	2
Course Offered to	UG
Course Description	The goal of this course is to familiarize the students with basic concepts in Ecology, Evolution, and Environmental Science, develop in them an understanding of the current environmental issues and the need for biodiversity conservation.

Pre-requisites

Pre-requisite (Mandatory)	Pre-requisite (Desirable)	Pre-requiste (Other)
None	None	None

*Please insert more rows if required

Post Conditions*(For suggestions on verbs please refer the second sheet)

CO1	CO2	CO3	CO4	CO5
Describe human induced factors that are responsible for environmental degradation and loss of biodiversity	Justify importance of biodiversity conservation	Generate hypotheses about how different ecosystem services may be impacted due to climate change		

Weekly Lecture Plan

Week Number	Lecture Topic	COs Met	Assignment/Labs/Tutorial
Week 1	Organisms and their environment	CO1, CO2, CO3	A course project will be assigned. Groups of 4-6 studensts will work together on the project.
Week 2-5	Fundamentals of Evolution	CO1, CO2	
Week 6-9	Fundamentals of Ecology	CO1, CO2, CO3	
Week 10	Ecosystems	CO1, CO2, CO3	
Week 11	Fieldwork	CO1, CO2, CO3	
Week 12	Biodiversity Conservation	CO1, CO2, CO3	
Week 13	Current Environmental Challenges	CO1, CO2, CO3	

*Please insert more rows if required

Weekly Lab Plan (if applicable)

Week Number	Laboratory Exercise	COs Met	Platform (Hardware/Software)
General Plan			
	TBD		

*Please insert more rows if required

Assessment Plan

Type of Evaluation	% Contribution in Grade
Mid-sem	30
End-sem	30
Project	20
Assignment	10
Quiz	10

*Please insert more row for other type of Evaluation

Resource Material

Type	Title
Textbook	
Reference	1. From Individuals to Ecosystems, Michael Begon, Colin R. Townsend and John L. Harper, 2006, Blackwell Publishing, 4th edition.
	2. The Economy of Nature, R.E. Ricklefs, 2008, WH Freeman and Co. 6th edition. (ISBN 9780716738831)
	3. Evolution, D.J. Futuyama, 2009, Sunderland, MA: Sinauer Associates, 2nd edition (ISBN-13: 978-0878932238)
	4. The Ecology of the Changing Planet, Mark B. Bush, 2003, Prentice Hall, 2nd edition (ISBN 0130662577, 9780130662576)