Course No.	ECONA316
Course title:	Environmental Economics
Nature of Course:	GEC – 4
Number of credits:	6
Number of Lectures (L):	Practical (P): Tutorial (T): 44:0:16

Course Description

This course focuses on economic causes of environmental problems. In particular, economic principles are applied to environmental questions and their management through various economic institutions, economic incentives and other instruments and policies. The course does not require any prior knowledge of economics. The course will be useful for students aiming towards careers in the government sector, NGOs, policy analysis, business and journalism.

Course Outline

Unit	Title	Cre	edits	
		L	Т	
Ι.	Introduction to Environmental Economics	11	4	
	Introduction; The economy and the environment: inter-linkages; First two laws of			
	thermodynamics. Environment as a necessity and luxury - population and			
	environment linkage.			
	Economic Efficiency and Market Failures: Environment quality as a public good,			
	Private and Social cost, Pareto optimality and market failure in the presence of			
	externalities; Economic Efficiency, Deviation from Efficiency; Common property			
Ш.	Population, Pollution and Environment	12	4	
	Theory of Demographic Transition; Economics of Pollution: Damage functions and			
	abatement cost functions; Marginal decisions; Optimal level of pollution; Market			
	solutions and government actions; Economic incentives and least-cost solutions;			
	Command and control policies.			
	Environmental issues in developed and developing countries; Use of Resources;			
	Environmental Protection laws; Environmental Education and its merits.			
III.	Valuing the Environment	10	4	
	Economic valuation of environmental goods; Types of environmental values;			
	Monetary valuation techniques; Non-monetary valuation techniques; Comparing			
	methodologies.			
	Cost-Benefit Analysis and the Environment: The theory of cost-benefit analysis;			
	Idea of discounting and choice of discount rate; Framework for cost-benefit			
	analysis; Discounting and future generations.			
IV.	Economic Growth and Sustainable Development	11	4	
	Economic growth, development and sustainable development; The environmental			
	Kuznets curve; Economics of sustainable development. International			
	Environmental Issues: Economics of climate change; Trade and the environment.			
	Indian environment policies and performance, pollution control boards and their			
	functions.			
	ested Readings:	•		
	tad, C.D. (2007), Environmental Economics, Oxford University Press, New Delhi.			
	Hanley et al (2007), Environmental Economics: Theory and Practice, Palgrave MacMillan.		IL:	
J. Kala 4 Karr	ar Singh and Anil Sisodia (2007), <i>Environmental Economics: Theory and Application</i> , Sage Publications, bagam (2008), Environmental Economics, Sterling Publishers. New Delhi	New De	IM.	
	Lekhi et al. (2008), Development and Environmental Economics, Kalyani Publishers, Ludhiana.			
6. S.P.	Misra & S.N. Pandey (2008), Essential Environmental Studies, Ane Books, New Delhi.			
	ureen L. Cropper and Wallace E. Oates, 1992, —Environmental Economics: A Survey, Journal	of Eco	nomic	
Literati	ure, Volume 30:675-740.			

8. Charles Kolstad, Intermediate Environmental Economics, Oxford University Press, 2nd edition, 2010.