

BHUBANANANDA ODISHA SCHOOL OF ENGINEERING, CUTTACK
DEPARTMENT OF CIVIL ENGINEERING



LESSON PLAN

SUBJECT: ENVIRONMENTAL STUDIES (TH 5)

FACULTY: JASHASWINI BEHERA

ACCADEMIC SESSION: 2023-24

SEMESTER: 3RD

SEC: A

Sd/-
H O D (Civil Engg.)

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Discipline: Civil Engineering	Semester: 3rd- A	Name of the teaching faculty: JASHASWINI BEHERA	
Subject: ENVIRONMENTAL STUDIES	No. of Days/ per week class allotted: 04 period per week. (Mon-01,Wed-01,fri-01,Sat-01)	Semester From Date: 01-08-2023 To Date: 30-11-2023 No. of weeks: 17 weeks	
Week	Class Day	No of period available	Theory Topics
1ST	02/08/2023	1	1.The multidisciplinary nature of environmental studies 1.1Definition 1.2 Scope and importance
	04/08/2023	1	1.3 Need for public awareness
	05/08/2023		2. Natural resources: 2.1 Renewable and Non Renewable resources
2ND	07/08/2023	1	2.1.Natural resources and associated problems,
	09/08/2023	1	Water resources
	11/08/2023	1	Mineral resources, Food resources
	12/08/2023	1	Energy Resources
3RD	14/08/2023	1	Land Resources
	16/08/2023	1	2.2 Role of individual in conservation of natural resources.
	18/08/2023	1	2.3Equitable use of resources for sustainable life styles.
	19/08/2023	1	3.Systems 3.1.1 Concept of an Eco system
4TH	21/08/2023	1	3.2Structure and function of an Eco system.
	23/08/2023	1	3.3 Producers, consumers, decomposers.
	25/08/2023	1	3.4 Energy flow in the eco systems
	26/08/2023	1	3.5 Ecological succession
5TH	28/08/2023	1	3.6 Food chains, food webs and ecological pyramids
	01/09/2023	1	3.7 Introduction, types, characteristic features, structure and function of the following eco system:

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	02/09/2023	1	3.7 Forest ecosystem
	04/09/2023	1	3.8 Aquatic eco systems
6TH	08/09/2023	1	4.Biodiversity and its conservation 4.1 Introduction-Definition
	09/08/2023	1	4.1.1 Genetics diversity Revision on previous chapters
	11/09/2023	1	4.1.2 Species diversity
7TH	13/09/2023	1	4.1.3 Ecosystem diversity
	15/09/2023	1	4.3 Value of biodiversity: consumptive use, productive use, social ethical, aesthetic and option values
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8TH	18/09/2023	1	4.4 Biodiversity at global, national and local level.
	22/09/2023	1	4.5 Threats to biodiversity: Habitats loss, poaching of wild life, man wildlife conflicts
	23/09/2023	1	5. Environmental Pollution 5.1 Definition
9TH	25/09/2023	1	5.1.1 Air pollution ; Causes, effects and control measures
	27/09/2023	1	5.1.2 Water pollution ; Causes, effects and control measures
	30/09/2023	1	CLASS TEST-1
10TH	04/10/2023	1	5.1.3 Soil pollution ; Causes, effects and control measures
	06/10/2023	1	5.1.4 Marine pollution; Causes, effects and control measures
	07/10/2023	1	5.1.5 Noise pollution; Causes, effects and control measures
11TH	09/10/2023	1	5.1.6 Thermal pollution
	11/10/2023	1	INTERNAL ASSESMENT

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	13/10/2023	1	5.2 Solid waste Management
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12TH	16/10/2023	1	5.2 Causes and Effects,
	18/10/2023	1	5.2 Control measures of urban and industrial wastes
	20/10/2023	1	5.3 Role of an individual in prevention of pollution
13TH	30/10/2023	1	5.4 Disaster management: Floods, earth quake, cyclone and landslides
	01/11/2023	1	6.Social issues and the Environment
	03/11/2023	1	6.1. Form unsustainable to sustainable development
	04/11/2023		CLASS TEST-2
14TH	06/11/2023	1	6.2 Urban problems related to energy
	08/11/2023	1	6.3 Water conservation, rain water harvesting, water shed management
	10/11/2023	1	6.4 Resettlement and rehabilitation of people; its problems and concern
	11/11/2023	1	6.5 Environmental ethics: issue and possible solutions
15TH	13/11/2023	1	6.6 Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies
	15/11/2023	1	6.7 Water (prevention and control of pollution) Act 6.8 Public awareness
	17/11/2023	1	7.Human population and the environment 7.1Population growth and variation among nations
	18/11/2023	1	7.2 Population explosion- family welfare program 7.3 Environment and human health

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16TH	20/11/2023	1	7.4 Value education
	22/11/2023	1	7.5 Role of information technology in environment and human health
	24/11/2023	1	REVISION
	25/11/2023	1	PREVIOUS YEAR QUESTION
17TH	29/11/2023	1	PREVIOUS YEAR QUESTION