

BALASORE SCHOOL OF ENGINEERING

LESSON PLAN FOR 3RD SEMESTER

SESSION - 2022-23

Branch:-Electrical Engineering

SEMESTER: - 3rd

Sub-Environment studies

Theory-05

Name of the Teacher- B.D. Panda

(Sec-B)

PRIORITY OF CHAPTER

Sl. No	Ch. No	Month	Date	Name of chapter	No. of periods required as per syllabus	No. of periods available as per plan	
	1			1.The Multidisciplinary nature of environmental studies:	4	2	
1			2/8/2023	1.1 Definition, scope and importance.			
2			3/8/2023	1.2 Need for public awareness.			
	2	AUG		2.Natural Resources:	10	8	
				Renewable and non renewable resources:			
3			4/8/2023	2.1 Natural resources and associated problems.			
4			5/8/2023	2.1.1. Forest resources: Use and over-exploitation, deforestation, case studies, Timber extraction mining, dams and their effects on forests and tribal people.			
5			9/8/2023	2.1.2. Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dam's benefits and problems.			
6			10/8/2023	2.1.3. Mineral Resources: Use and exploitation, environmental effects of extracting and using mineral resources.			
7			11/8/2023	2.1.4. Food Resources: World food problems, changes caused by agriculture and over grazing, effects of modern agriculture, fertilizers- pesticides problems, water logging, salinity, .			
8			12/8/2023	2.1.5. Energy Resources: Growing energy need, renewable and non-renewable energy sources, use of alternate energy sources, case studies.			
9			16/8/23	2.1.6. Land Resources: Land as a resource, land degradation, man induces landslides, soil erosion, and desertification.			
10			17/8/2023	2.2 Role of individual in conservation of natural resources.			

		11/07/2023	2.3 Equitable use of resources for sustainable life styles.		
11		18/8/2023	CLASS TEST		
			3.Systems:		
12		19/8/2023	3.1. Concept of an eco system.		
			3.2. Structure and function of an eco system.		
13		23/8/2023	3.3. Producers, consumers, decomposers.		
14		24/08/2023	3.4. Energy flow in the eco systems.		
			3.5. Ecological succession.		
15	3	25/8/2023	3.6. Food chains, food webs and ecological pyramids.	8	6
16		26/8/2023	3.7. Introduction, types, characteristic features, structure and function of the following eco system:		
			3.8. Forest ecosystem:		
17		31/8/2023	3.9. Aquatic eco systems (ponds, streams, lakes, rivers, oceans,estuaries).		
			4.Biodiversity and it's Conservation:		
18	SEPT	1/9/2023	4.1. Introduction-Definition: genetics, species and ecosystem diversity.		
			4.2. Biogeographically classification of India.		
19	4	2/9/2023	4.3. Value of biodiversity: consumptive use, productive use, social ethical, aesthetic and optin values.	8	5
20		7/9/2023	4.4. Biodiversity at global, national and local level.		
21		8/9/2023	4.5. Threats to biodiversity: Habitats loss, poaching of wild life, man wildlife conflicts.		
22		9/9/2023	CLASS TEST		
			5.Environmental Pollution:		
23		13/9/2023	5.1. Definition Causes, effects and control measures of:		
24		14/9/2023	5.1.1 Air pollution.		
25		15/9/2023	5.1.2 Water pollution.		
26		16/9/2023	5.1.3 Soil pollution		
27		21/9/2023	5.1.4 Marine pollution		
			5.1.5 Noise pollution.		
28	5	22/9/2023	5.1.6 Thermal pollution	12	9
			5.1.7 Nuclear hazards.		
28		23/9/2023	5.2. Solid waste Management: Causes, effects and control measures of urban and industrial wastes.		
30		27/9/2023	5.3. Role of an individual in prevention of pollution.		
31	OCT	28/9/2023	5.4. Disaster management: Floods, earth quake, cyclone and landslides.		
			6.Social issues and the Environment:		

32	6	29/9/2023	6.1. Form unsustainable to sustainable development.	10	7
33		30/9/2023	6.2. Urban problems related to energy.		
34		4/10/2023	6.3. Water conservation, rain water harvesting, water shed management.		
35			6.4. Resettlement and rehabilitation of people; its problems and concern.		
36		5/10/2023	6.5. Environmental ethics: issue and possible solutions.		
37		6/10/2023	6.6. Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies.		
38		7/10/2023	6.7. Air (prevention and control of pollution) Act.		
		11/10/2023	6.8. Water (prevention and control of pollution) Act.		
			6.9. Public awareness.		
	7		7.Human population and the environment:	8	5
38		12/10/2023	7.1. Population growth and variation among nations.		
40		13/10/2023	7.2. Population explosion- family welfare program.		
41		14/10/2023	7.3. Environment and human health.		
42		1/11/2023	7.4. Human rights.		
43			2/11/2023		
			7.6. Role of information technology in environment and human health.		

Month	Chapter	Remark
AUG	Ch-01,ch-02,Ch-03	
SEPT	ch-4,ch-5,Ch-6.3	
OCT	ch-6.4,ch-7.3	
NOV	ch-7	

Signature
Principal
10/11/23

Signature
HOD
11/8/23

Signature
Lecturer
11/8/23