

LESSON PLAN					
Discipline -Civil Engineering.			TEACHING FACULTY: Jyotirmayee Samal		
Subject-Environmental Studies(Th-5)		Semester From Date:- 01.08.2023 to 30.11.2023			4P/WEEK
SEMESTER -3rd		No of Weeks -19			
No of Days/week class allotted:04 period per week(Mon,Thurs,Friday, Saturday,1 period each)			SYLLABUS TO BE COVERED		
MONT H	WEEK	DATE	DAYS/ PERIOD	SYLLABUS TO BE COVERED	NO. OF PERIODS AVAILABLE
				Multidisciplinary nature of environmental studies	4
A u g u s t	1st	3/8/2023	Thurs	1.1 Introduction & Definition	1
		4/8/2023	Fri	1.2 Scope of environmental studies	1
		5/8/2023	Sat	1.3 Importance of environmental studies	1
	2nd	7/8/2023	Mon	1.4 Need for public awareness	1
				CHAPTER -2 NATURAL RESOURCES	10
		10/8/2023	Thu	2.1 Natural resources, Renewable & Non-renewable resources	1
		11/8/2023	Fri	2.2-Forest resources: 2.2.1-Used and over exploitation, deforestation, case studies	1
		12/8/2023	Sat	2.2.2-Timber extraction, mining, dam and their effects on forests and tribal people	1
		14/8/2023	Mon	2.3- Water resources: 2.3.1-Use and over -utilization of surface and ground water	1
		17/8/2023	Thu	2.3.2-Floods,drought,conflicts over water, dams-benefits and problems	1
	3rd	18/8/2023	Fri	2.4-Mineral Resources :2.4.1-Use and over exploitation, environmental effects of extracting & using of mineral resources, case studies	1
		19/8/2023	Sat	2.5-Food Resources :2.5.1-world food problems, changes caused by agriculture and overgrazing ,effects of modern agriculture, fertilizer, pesticides problems, waterlogging, salinity, case study	1
		21/8/2023	Mon	2.6-Energy Resources :2.6.1-Growing energy needs, renewable and non-renewable energy resources, use of alternate energy sources, case studies.	1

	4th	24/8/2023	Thu	2.7-Land Resources :Land as a resource, land degradation, man-induced landslides, soil erosion and deforestation.	1	
		25/8/2023	Fri	2.8-Role of individual in conservation of natural resources, equitable use of resources for sustainable lifestyle	1	
				CHAPTER -3 ECOSYSTEM	8	
		26/8/2023	Sat	3.1- Concept of ecosystem	1	
	5th	28/8/2023	Mon	3.2-Structure of ecosystem, producers, consumers, decomposers.	1	
		31/8/2023	Thu	3.3-Function of ecosystem	1	
		1/9/2023	Fri	3.4-Energy flow in ecosystem and ecological succession	1	
	S e p t e m b e r	1st	2/9/2023	Sat	3.5- Food chains, food webs, and ecological pyramid	1
			4/9/2023	Mon	3.6-Introduction,types,characteristic features, structure and function of following ecosystem :3.6.1-Forest ecosystem	1
		7/9/2023	Thu	3.6.2-Aquatic(pond,stream,lake)	1	
8/9/2023		Fri	3.6.3-River, ocean, estuaries	1		
			CHAPTER -4 BIODIVERSITY AND CONSERVATION	8		
2nd		9/9/2023	Sat	4.1-Introduction-defination,genetics,species and ecosystem diversity	1	
		11/9/2023	Mon	4.2-Biogeographically classification of India	1	
		14/9/2023	Thu	4.3-Values of biodiversity :4.3.1 consumptive use, productive use, social value	1	
3rd		15/9/2023	Fri	4.3.2-Ethical value, asthetic value and other value	1	
		16/9/2023	Sat	4.4.1-Biodiversity at global level	1	
		18/9/2023	Mon	4.4.2-Biodiversity at national level	1	
		21/9/2023	Thurs	4.4.3-Biodiversity at local level	1	
4th		22/9/2023	Fri	4.5-Threats ti biodiversity :Habitat loss pouching of wildlife, man wildlife conflits.	1	
			CHAPTER -5 ENVIRONMENTAL POLLUTION	12		
	23/9/2023	Sat	5.1-Definition, causes, effects and control measures of : Air pollution	1		
	25/9/2023	Mon	5.2-Water pollution	1		
	28/9/2023	Thurs	5.3-Soil pollution	1		

	5th	30/9/2023	Sat	5.4-Marine pollution	1
O c t o b e r	1st	5/10/2023	Thurs	5.5-Noise pollution	1
		6/10/2023	Fri	5.6-Thermal pollution	1
		7/10/2023	Sat	5.7-Nuclear hazards	1
		9/10/2023	Mon	5.8.1-Solid waste management :causes, effects	1
	2nd	12/10/2023	Thurs	5.8.2-control measure of urban and industrial wastes.	1
		13/10/2023	Fri	5.9-Role of an individual in prevention of pollution.	1
		14/10/2023	Sat	5.10-Disaster management :5.10.1-Floods,earthquake.	1
		16/10/2023	Mon	5.10.2-Cyclone and landslides.	1
	3rd			CHAPTER -6 SOCIAL ISSUES AND ENVIRONMENT	10
		19/10/2023	Thurs	6.1-From unsustainable to sustainable development	1
20/10/2023		Fri	6.2-Urban problem related to energy	1	
5th		30/10/2023	Mon	6.3-Water conservation, rain water harvesting,watershed management	1
N o v e m b e r	1st	2/11/2023	Thurs	6.4.1-Resettlement & rehabilitation of people	1
		3/11/2023	Fri	6.4.2-its problems and concerns	1
		4/11/2023	Sat	6.5.1-Climate change ,global warming,acid rain	1
	2nd	6/11/2023	Mon	6.5.2- Ozone layer depletion ,nuclear accident, holocaust, case study	1
		9/11/2023	Thurs	6.6-Air(prevention and control of pollution) Act	1
		10/11/2023	Fri	6.7-Water(prevention and control of pollution) Act	1
		11/11/2023	Sat	6.8-Public awareness	1
					CHAPTER -7 HUMAN POPULATION AND ENVIRONMENT
	3rd	13/11/2023	Mon	7.1-Introduction	1
		16/11/2023	Thurs	7.2.1 -Population growth	1
17/11/2023		Fri	7.2.2-Variation among nations.	1	
18/11/2023		Sat	7.3-Population explosion -Family welfare programme.	1	

	20/11/2023	Mon	7.4-Environment and human health.	1
	23/11/2023	Thurs	7.5-Human rights	1
	24/11/2023	Fri	7.6-Value of education.	1
4th	25/11/2023	Sat	7.7-Role of information technology in environment and human health	1
5th	30/11/2023	Thurs	Revision	