

BHUBANANANDA ODISHA SCHOOL OF ENGINEERING, CUTTACK
DEPARTMENT OF CIVIL ENGINEERING



LESSON PLAN

SUBJECT: ENVIRONMENTAL STUDIES (TH 5)

FACULTY: SRI SURAJ KUMAR NAYAK

ACADEMIC SESSION: 2024-25

SEMESTER: 3RD

SEC: A

Sd/-

H O D (Civil Engg.)

BHUBANANANDA ODISHA SCHOOL OF ENGINEERING, CUTTACK
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Discipline: Civil Engineering	Semester: 3RD A		Name of the Teaching faculty: Suraj Kumar Nayak
Subject: ENVIRONMENTAL STUDIES(TH-05)	No. of Days/ per week class allotted: 04 periods per week. Mon-2,Tue-1,Wed-1		Semester From Date: 01-07-2024 To Date: 08-11-2024 No. of weeks: 18 weeks
Week	Date	No of period available	Topics to be covered
1st	01/07/2024	02	1.1 Introduction & Definition
	02/07/2024	01	1.2 Scope & importance 1.3 Need for public awareness
	03/07/2024	01	2.1 Natural resources & associated problems
2nd	08/07/2024	02	2.2 Forest Resources
	09/07/2024	01	2.3 Water Resources 2.4 Mineral Resources
	10/07/2024	01	2.5 Food Resources 2.6 Energy Resources
3rd	15/07/2024	02	2.7 Land Resources
	16/07/2024	01	2.8 Role of Individuals in conservation of natural resources. Equitable use of resources for sustainable life style.
4TH	22/07/2024	02	3.1 Concept of Ecosystem 3.2 Structure and function of Ecosystem
	23/07/2024	01	3.3 Producers , consumers, Decomposers
	24/07/2024	01	3.4 Energy flow in the Ecosystem
5TH	29/07/2024	02	3.5 Ecological Succession 3.6 Food chain, Food web,& Ecological pyramids
	30/07/2024	01	3.7 Introduction. Types, characteristics, features, structures & function of the various ecosystem 3.9 Aquatic Ecosystem
	31/07/2024	01	Question & Answer session
6th	05/08/2024	02	4.1 Introduction, definition Genetics, species & ecosystem diversity

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			4.2 Biogeographically classification of India
	06/08/2024	01	4.3 Value of Bio diversity
	07/08/2024	01	4.4 Biodiversity at global, national & local level
7th	12/08/2024	02	4.5 Threats to Biodiversity
	13/08/2024	01	Question & Answer session
	14/08/2024	01	5.1 Air pollution 5.2 Water pollution
8TH	20/08/2024	01	5.3 Soil pollution
	21/08/2024	01	5.4 Marine Pollution
9TH	27/08/2024	01	5.5 Noise Pollution
	28/08/2024	01	5.6 Thermal pollution
10TH	02/09/2024	02	Monthly Class Test-1 5.7 Nuclear hazard
	03/09/2024	01	Solid waste management: Causes, effects.
	04/09/2024	01	control measures of urban and industrial waste
11TH	09/09/2024	02	Role of an Individual in prevention of pollution
	10/09/2024	01	Disaster management
	11/09/2024	01	6.1 From unsustainable to sustainable development
12TH	17/09/2024	01	6.2 Urban problems related to Energy
	18/09/2024	01	6.3 Water Conservation, Rain water harvesting, water shed management
13TH	23/09/2024	02	6.4 Environmental Ethics
	24/09/2024	01	6.5 Climate change, Global warming, Acid rain, Ozone layer Depletion
	25/09/2024	01	6.6 Air Act,
14TH	30/09/2024	02	6.7 Water Act
	01/10/2024	01	6.8 Public Awareness
	02/10/2024	01	7.1 Population Growth & Variation among nations
15TH	14/10/2024	02	7.2 Population Explosion- family welfare program
	15/10/2024	01	7.3 Environmental & Human Health
	16/10/2024	01	7.4 Human rights

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16TH	21/10/2024	02	7.5, Value education
	22/10/2024	01	7.6 Role of information technology in environment and human health
	23/10/2024	01	Monthly Class Test-2
17TH	28/10/2024	02	Revision
	29/10/2024	01	Revision
	30/10/2024	01	Revision
18TH	04/11/2024	02	Question & Answer session
	05/11/2024	01	Question & Answer session
	06/11/2024	01	Question & Answer session