

Lesson Plan

Date:
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Discipline: Civil Engineering	Semester: 3rd	Name of the teaching faculty: Subhalipsa Pradhan
Subject: Environmental Engineering	No. of days/ Weeks class allotted: 04	Semester From: 01.10.21 to 08.01.22 No. of weeks: 15
1 Weeks	Class Days	Theory / Practical Topics
27/09/21 to 02/10/21	1st 2nd 3rd 4th	Env studies, Definitions, Scope & Importance ← Gandhi Jayanti →
4/10/21 to 9/10/21	1st 2nd 3rd 4th	Need of Public awareness Natural resources & associated Problem. Forest resources & deforestation Timber extraction, mining, dam and their effect on forest & tribal People
11/10/21 to 16/10/21	1st 2nd 3rd 4th	Durga Puja Festival
18/10/21 to 23/10/21	1st 2nd 3rd 4th	Water resources, conflict over water resources Mineral Resources, Using mineral resources Food Resources, water logging & salinity Energy Resources, Renewable & non renewable energy sources, case studies
25/10/21 to 30/10/21	1st 2nd 3rd 4th	Land Resources, Soil erosion. Role of individual in conservation of natural resources Equitable use of resources for sustainable life style Concept of ecosystem, structure-Function Producers, consumers, decomposers.

Weeks	Class Days	Theory/Practical Topics
01/11/21	1st	Energy flow in ecosystem, Ecological succession.
+0	2nd	← Diwali →
06/11/21	3rd	Food chain, Food web, ecological Pyramids
	4th	Type, Features, Structure, Function, Characteristics of eco-system.
08/11/21	1st	Forest eco-system, Aquatic ecosystem.
+0	2nd	Biodiversity, genetic, ecosystem diversity
13/11/21	3rd	Biogeographically classification of India
	4th	Value of biodiversity, conscriptive, Productive social, ethical values & use
15/11/21	1st	Biodiversity at global, national & local
+0	2nd	Threats to biodiversity, man & Wildlife ^{conflicts}
20/11/21	3rd	← Rakas Purnima →
	4th	Air pollution, cause, effects & control measures
22/11/21	1st	Water Pollution
+0	2nd	Soil Pollution & Marine Pollution.
27/11/21	3rd	Noise Pollution & Thermal Pollution
	4th	← Prathameastami →
29/11/21	1st	Nuclear hazards, Solid waste management
+0	2nd	Effects & controls measures of carbon waste.
04/12/21	3rd	Industrial waste Management
	4th	Role of an individual in prevention of pollution.
06/12/21	1st	Disaster Management, Flood & earthquake
+0	2nd	Cyclone & land slide
11/12/21	3rd	Form of unsustainable to sustainable ^{development}
	4th	Urban problems related to energy.

Weeks	Class Days	Theory/Practical Topics
13/12/21	1st	Water Conservation, Rain water harvest ^{ing}
+0	2nd	← Last Thurs day of margashira →
18/12/21	3rd	Resettlement & rehabilitation of people
	4th	Env. ethics, issue & possible solution.
20/12/21	1st	Climate change, global warming, acid rain
+0	2nd	Air (Prevention & Control of pollution) Act
25/12/21	3rd	Water (Prevention & Control of pollution) Act
	4th	← X-Mas Day →
27/12/21	1st	Public awareness
+0	2nd	Population growth & Variation among ^{nation}
01/01/22	3rd	Population explosion.
	4th	← New Year →
03/01/22	1st	Environment and human health
+0	2nd	Human rights
08/01/22	3rd	Value education
	4th	Role of information technology in environment and human health