

Lesson Plan - Environmental Science (TH 5(a)) winter-24

Course Duration: 60 Periods (4 periods/week).
Branch-civil /Mechanical (1st year)

Credits: 4

Faculty -Smitarani Patel/Manoranjan patra/Jyotshna rani Rout/Chinmaya Padhana

Week	Periods	Topics
1	4	Ecosystem concepts, structure, biotic and abiotic components
2	4	Food chain, food web, ecological pyramids
3	4	Aquatic and terrestrial ecosystems, nutrient cycles
4	4	Global warming, greenhouse effect, ozone depletion
5	4	Air pollution sources and pollutants
6	4	Particulate pollution and control devices
7	4	Gaseous pollution control, catalytic converter, absorber
8	4	Noise pollution, measurement and regulations
9	4	Water pollution and water quality parameters
10	4	BOD, COD, wastewater treatment methods
11	4	Soil pollution and preventive measures
12	4	Solar energy and biomass energy
13	4	Wind, hydrogen, ocean and geothermal energy
14	4	Solid waste management and environmental legislation
15	4	ISO 14000, carbon credit, revision and assessment

Faculty signature

HOD signature