

Satyug Darshan Institute of Engineering and Technology

Lesson Plan / Teaching Plan / Lecture Plan with Progress: BBA –3rd Semester : 2025-26

Course Name (Code): EVS II (VAC-101-N1)

Faculty Name-Dr Mansi Rastogi

Topics / lectures are arranged in sequence - same - as to be taught in the class. Maintain data related to "Date" in its hard copy					
S. No	Lecture No	Topic Description	Teaching Pedagogy	Reference Material	Remarks, if any
1	1	Understanding pollution: Production processes and generation of wastes; Assimilative capacity of the environment	Board	T1,T3	
2	2	Definition of pollution; Point sources and non-point sources of pollution. Air pollution: Sources of air pollution;	Board	T1,T3	
3	3	Primary and secondary pollutants; Criteria pollutants, carbon monoxide, lead, nitrogen oxides, ground-level ozone, particulate matter, and sulphur dioxide;	Board	T1,T3	
4	4	Volatile Organic compounds (VOCs), Peroxyacetyl Nitrate (PAN), Polycyclic aromatic hydrocarbons (PAHs) and Persistent organic pollutants (POPs);	Board	T1,T3	
5	5	Indoor air pollution; Adverse health impacts of air pollutants; National Ambient Air Quality Standard	Board	T1,T3	
6	6	Water pollution: Sources of water pollution; River, lake, and marine pollution, groundwater pollution;	Board	T1,T3	
7	7	water quality. Water quality parameters and standards; adverse health impacts of water pollution on human and aquatic life.	Board	T1,T3	
8	8	Soil pollution and solid waste: Soil pollutants and their sources; Solid and hazardous waste; Impact on human health.	Board	T1,T3	
9	9	Noise pollution: Definition of noise; Unit of measurement of noise pollution; Sources of noise pollution; Noise standards; adverse impacts of noise on human health.	Board	T2	
10	10	Thermal pollution: Sources and impact on human health and ecosystems	Board	T2	
11	11	Radioactive pollution: Sources and impact on human health and ecosystems	Board	T2	
12	12	Revision Unit 1			
13	13	Understanding climate change: Natural variations in climate Structure of atmosphere;	Board	T2	
14	14	Anthropogenic climate change from greenhouse gas emissions– past, present and future; Projections of global climate change with special reference to temperature,	Board	T2	
15	15	Projections of global climate change with special reference to temperature, rainfall, climate variability and extreme events;	Board+PPT	T2	
16	16	Importance of 1.5 °C and 2.0 °C limits to global warming; Climate change projections for the Indian sub-continent. Impacts, vulnerability and adaptation to climate change:	Board+PPT	T2	
17	17	Observed impacts of climate change on ocean and land systems; Sea level rise, changes in marine and coastal ecosystems;	Board+PPT	T2	
18	18	changes in marine and coastal ecosystems; Impacts on forests and natural ecosystems; Impacts on animal species, agriculture, health, urban infrastructure	Board+PPT	T2	
19	19	The concept of vulnerability and its assessment Adaptation vs. resilience; Climate-resilient development;	Board+PPT	T1,T2	
20	20	Indigenous knowledge for adaptation to climate change. Mitigation of climate change:	Board	T1,T2	
21	21	Synergies between adaptation and mitigation measures; Green House Gas (GHG) reduction vs. sink enhancement; Concept of carbon intensity, energy intensity, and carbon neutrality; Energy efficiency measures;	Board	T1,T2	
22	22	Renewable energy sources; Carbon capture and storage, National climate action plan and Intended Nationally Determined Contributions (INDCs); Climate justice	Board	T1,T2	
23	23	Revision Unit 2			
24	24	Introduction to environmental laws and regulation: Constitutional provisions- Article 48A, Article 51A (g) and other derived environmental rights.	Board	T1,T2	
25	25	The Forest (Conservation) Act, 1980; The Air (Prevention and Control of Pollution) Act, 1981;	Board	T1,T2	
26	26	Environmental legislations in India: The Wild Life (Protection) Act, 1972; The Water (Prevention and Control of Pollution) Act, 1974;	Board	T1,T2	
27	27	The Environment (Protection) Act, 1986; The Biological Diversity Act, 2002;	Board	T1,T2	
28	28	The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006;	Board	T2	
29	29	Noise Pollution (Regulation and Control) Rules, 2000; Industry-specific environmental standards;	Board	T2	
30	30	Waste management rules. Environmental management system: ISO 14001	Board	T2	

31	31	Concept of Circular Economy, Life cycle analysis; Cost-benefit analysis, Environmental audit and impact assessment;	Board	T2	
32	32	Environmental risk assessment, Pollution control and management; Waste Management Concept of 3R (Reduce, Recycle and Reuse) and sustainability; Ecolabeling Eco mark scheme	Board	T2	
33	33	Revision Unit 3			
34	34	An overview of the following national and international cooperation, agreements, conventions, protocols - adoption, signature, ratification and entry into force; binding and nonbinding measures;	Board	T2	
35	35	Conference of the Parties (COP): A) Vienna Convention for the Protection of the Ozone Layer; Montreal Protocol on Substances that Deplete the Ozone Layer	Board	T2	
36	36	Kigali Amendment; Status phase-out of production and consumption of Ozone Depleting Substances by India.	Board	T2	
37	37	Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal; Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal;	Board	T2	
38	38	Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade;	Board	T2	
39	39	Stockholm Convention on Persistent Organic Pollutants; Minamata Convention	Board	T2	
40	40	United Nations Framework Convention on Climate Change (UNFCCC); Kyoto Protocol	Board	T2	
41	41	Paris Agreement; India's status as a party to major conventions.	Board	T2	
42	42	National Green Tribunal; Some landmark Supreme Court judgements.	Board	T2	
43	43	Major International organisations and initiatives: United Nations Environment Programme (UNEP),	Board	T2	
44	44	International Union for Conservation of Nature (IUCN)	Board	T2	
45	45	World Commission on Environment and Development	Board	T2	
46	46	Revision Unit 4			
47	47	Revision			
48	48	Revision			

Study Material / Books / Web-resources / Online Courses Links etc.

S. No.	Description
1	Ahluwalia, V. K. (2015). Environmental Pollution, and Health. The Energy and Resources Institute (TERI).
2	Barnett, J. & S. O'Neill (2010). Maladaptation. Global Environmental Change—Human and Policy Dimensions 20: 211–213.
3	Perspectives in Environmental Studies, Book by Anubha Kaushik and C.P. Kaushik.