

DEPARTMENT OF CHEMISTRY
SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
KATTANKULATHUR

LESSON PLAN
Academic year 2021 – 22

Programme : B.Tech (UG)
 Subject Title : **Environmental Science**
 Subject Code : **18CYM101T**

Branch : ECE A - II year
 Total No. of hours: 15

Module	Lecture	SLO	Topic	Detailed Lesson Plan
1	S-1	SLO-1	Environmental segments Structure of atmosphere	Environmental segments, Structure of atmosphere
		SLO-2	Composition of atmosphere	Composition of atmosphere
	S-2	SLO-1	Air Pollution Sources	Sources and effects of pollutants of Air pollution
		SLO-2	Effects – acid rain, ozone layer depletion and greenhouse effect	Effects – acid rain, ozone layer depletion and greenhouse effect
	S-3	SLO-1	Control measures of air pollution	Control measures of air pollution
		SLO-2	Sources, effects and control measures of Water pollution	Sources, effects and control measures of Water pollution
2	S-1	SLO-1	Determination of BOD, COD	Determination of BOD, COD
		SLO-2	Determination of TDS and trace metals	Determination of TDS and trace metals
	S-2	SLO-1	Sources, effects and control measures of Soil pollution	Soil pollution: Sources, effects and control measures
		SLO-2	Sources, effects and control measures of Thermal pollution	Thermal pollution: Sources, effects and control measures
	S-3	SLO-1	Sources and effects of: Radiation pollution	Radiation pollution: Sources and effects
		SLO-2	Control measures of Radiation pollution	Control measures of Radiation pollution
3	S-1	SLO-1	Waste water treatment- Introduction	Introduction to Waste water treatment
		SLO-2	Primary treatment	Primary treatment
	S-2	SLO-1	Secondary treatment	Secondary treatment
		SLO-2	Tertiary treatment	Tertiary treatment
	S-3	SLO-1	Activity: Visit to a local polluted site- Urban/Rural/Industrial/Agricultural	Activity: Visit to a local polluted site-Urban
		SLO-2	Activity: Visit to a local polluted site-	Activity: Visit to a local water polluted site

			Urban/Rural/Industrial/Agricultural	
4	S-1	SLO-1	Solid waste management: Types	Types of Solid waste management
		SLO-2	Effects Process of waste management	Effects of Processing of solid waste
	S-2	SLO-1	Disposal methods, Open dumping Engineered land filling	Disposal methods, Open dumping Engineered land filling
		SLO-2	Composting Incineration	Composting & Incineration
	S-3	SLO-1	Activity: Monitoring solid waste management in local areas	Activity: Monitoring solid waste management near campus area
		SLO-2	Activity: Monitoring solid waste management in local areas	Activity: Monitoring solid waste management near campus area
5	S-1	SLO-1	Biomedical Waste Management Definition and Effects	Definition and Effects of Biomedical Waste Management
		SLO-2	Categories of biomedical waste	Categories of biomedical waste
	S-2	SLO-1	Process of biomedical waste management	Process of biomedical waste management
		SLO-2	Treatment and disposal methods	Treatment and disposal methods
	S-3	SLO-1	Activity: Visit a hospital to understand the biomedical waste management	Activity: Visit a hospital to understand the biomedical waste management
		SLO-2	Activity: Visit a hospital to understand the biomedical waste management	Activity: Visit a hospital to understand the biomedical waste management

Staff Details:

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