

EN557: Environmental Sanitation

Teaching Scheme			Credits C	Marks Distribution				Total Marks
L	T	P		Theory Marks		Practical Marks		
				ESE	CE	ESE	CE	
4	2	0	6	70	30	30	20	150

Course Content:

Sr. No.	Topics	Teaching Hrs.
1	<p><u>Control of Communicable and certain Noninfectious diseases:</u></p> <p>Types, agents, Control of Water, Food and Insect borne diseases and zoonoses.</p>	08
2	<p><u>Residential and Institutional Environment:</u></p> <p>Appraisal Quality of Living, Hygiene Indices , Health Principles of Housing and its Environment</p>	06
3	<p><u>Indoor Quality Standards:</u></p> <p>Causes and Sources of Indoor Air Pollution Biological Contaminants, Thermal and moisture Requirement; Ventilation.</p>	06
4	<p><u>Radiation Protection:</u></p> <p>Radiation Fundamentals - Types of radiation Ionizing and Non-Ionizing radiation, their uses and biological effects. Radioactive waste disposal Radioactive substances soil, water and air and their fate. Treatment and disposal Liquid and solid Radioactive wastes.</p>	20
Total Hrs.		40

Reference Books:

1. Joseph A.Salvato, “*Environmental Engineering and Sanitation*” P.E. Dee - Wiley International latest edition (old 1992 edition).
2. Chanlett “*Environmental Protection*”, McGraw Hill Publishing Co.
3. Lee and Tchobanoglous, “*Environmental Engineering*” Hand Book Mc Graw Hill.