

SYLLABUS :-

Prerequisite-none Engineering, ethics and environment. Ecological systems and pollution. Fundamental definitions of pollution parameters - air and water quality criteria, Standards and legislation EIA, EIS and EMP. Air and water pollution management through waste minimization. Industrial air pollution management : air pollution meteorology (Generation, transportation and dispersion of air pollutants). Outlines of industrial air pollution control. Selection, design and performance analysis of air pollution control equipment : gravity settling chambers, air cyclones, ESPs, filters and wet scrubbers. Industrial water pollution management: Wastewater treatment processes; Pre-treatment, primary and secondary treatment processes. Advanced wastewater treatment processes. Design of sedimentation tanks and biological treatment processes. Text Book:1.Environmental Engineering by H. S. Peavy, D. R. Rowe and G. Tchobanoglous 2.Pollution Control in Chemical