

Industrial Pollution Control Lab

1.1 Course Number: CH402L

1.2 Contact Hours: 0-0-2

Credits: 02

1.3 Semester-offered: 4th Year- odd

2. List of Experiments

S.No	Experiments
1	Basic Characteristics of wastewater [Density, pH of sample, Solids analysis (total solids (TS), total dissolved solids (TDS) and total suspended solids (TSS) in water]
2	Determination of Acidity (mineral and phenolphthalein) and Alkalinity (hydroxide, carbonate and bicarbonate alkalinity) of wastewater
3	Determine Dissolved Oxygen (DO) content of a given wastewater sample
4	Chemical Oxygen Demand (COD) (open reflux method)
5	Determination of optimum coagulant dosage (JAR Test)
6	Determination of ammonical nitrogen in water (kjeldahl method)
7	Sampling and analysis of sulphur dioxide in ambient air
8	Sampling and analysis of nitrogen dioxide in ambient air
9	Sampling and analysis of microbes in ambient air / water sample