

COURSE TITLE : ENVIRONMENTAL ENGINEERING LAB

COURSE CODE : 6019

COURSE CATEGORY : P

PERIODS/WEEK : 3

PERIODS/SEMESTER: 45

CREDITS : 2

TIME SCHEDULE

Module	Topics	Period
1	Physical tests on water	24
2	Chemical Tests on Water	21
TOTAL		45

COURSE OUTCOME

Sl.	Sub	Student will be able to
1	1	Determine the physical characteristics of water sample
	2	Determine the chemical characteristics of water

SPECIFIC OUT COME

After completing the course the student should be able to

1. Deduce the pH value of water by pH meter
2. Deduce the turbidity in a given water sample
3. Deduce the suspended solids, dissolved solids and total solids in a given sample of water
4. Determine the chloride content in a given sample of water
5. Determine the alkalinity in a given sample of water
6. Determine the acidity of a given sample of water
7. Deduce the total hardness of a given sample of water
8. Determine the residual chlorine of a given sample of water

COURSE CONTENT

LIST OF EXPERIMENTS

1. Test on pH value of water sample
2. Test on Turbidity of water sample
3. Test on Total solids of water sample
4. Test on Chloride of water sample
5. Test on Alkalinity of water sample
6. Test on Acidity of water sample
7. Test on Total hardness of water sample
8. Test on Chlorine residual of water sample

REFERENCE"- NITTTT Chennai : Environmental Engineering Laboratory manual