

Course Number and Name												
BCE074 - PHYSICAL AND CHEMICAL TREATMENT OF WATER AND WASTEWATER												
Credits and Contact Hours												
3 & 45												
Course Coordinator's Name												
Dr P.Rajasulochana												
Course Objective												
<ul style="list-style-type: none"> To educate the student on the working principles and design of various physical and chemical treatment systems for water and wastewater 												
Prerequisites						Co-requisites						
Environmental Engineering						NIL						
required, elective, or selected elective (as per Table 5-1)												
Course Outcomes (COs)												
CO1	To make them understand the fundamentals of waste water treatment .To learn about the various Pollutants in water and waste water and also to study about their characteristics.											
CO2	To understand about the methods of waste characterization , source reduction and to study the various methods of generation of wastes.											
CO3	To understand in detail about the various principles of chemical treatment which include precipitation coagulation etc.											
CO4	To improve the knowledge on the Selection of unit operation and processes and to study the design oriented aspects of sand filters and other treatment processes.											
CO5	To know about the basics of the design of industrial waste water treatment and reclamation processes											
Student Outcomes (SOs) from Criterion 3 covered by this Course												
	COs/SOs	a	b	c	d	e	f	g	h	i	j	k
	CO1	H				M					L	
	CO2				M			M		H		
	CO3	H					H					
	CO4							H		L		
	CO5	H	M			H		M			L	