

Course Number and Name												
BCE073 - GROUND WATER CONTAMINATION AND TRANSPORT MODELING												
Credits and Contact Hours												
3 & 45												
Course Coordinator's Name												
Mr. S.Rajesh												
Course Objective												
<ul style="list-style-type: none"> To educate the students on the hydraulics related ground water contamination and modeling ground water quality 												
Prerequisites						Co-requisites						
Transportation Engineering						NIL						
required, elective, or selected elective (as per Table 5-1)												
Course Outcomes (COs)												
CO1		To make them understand the fundamentals of Ground water and the various hydrologic cycles.										
CO2		To understand about the various steady state hydrologic budgets and various case studies associated with it.										
CO3		To understand in detail about the development of Ground Water resources and Aquifers.										
CO4		To improve the knowledge on the basics of Chemical equilibrium and Geochemical interpretation of ¹⁴ C Dates										
CO5		To know about the basics of the Transport process in solute transfer and hydro chemical behavior of contaminants in the ground water.										
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	H				M				L	
	CO2		H	H						M		
	CO3	H	H						H	H	L	
	CO4									M		
	CO5	H	M				H		W			