

Course Number and Name												
<b>BCE075 - GROUND WATER ENGINEERING</b>												
Credits and Contact Hours												
<b>3 &amp; 45</b>												
Course Coordinator's Name												
<b>Dr A.Mani</b>												
Course Objective												
<ul style="list-style-type: none"> <li>To introduce the student to the principles of Groundwater governing Equations and Characteristics of different aquifers,</li> <li>To understand the techniques of development and management of groundwater.</li> </ul>												
Prerequisites						Co-requisites						
Irrigation Engineering						NIL						
required, elective, or selected elective (as per Table 5-1)												
Course Outcomes (COs)												
CO1	To learn about the basics of ground water Engineering including the hydrogeological cycle and water level fluctuations											
CO2	To learn about the basics of hydrology of ground water and to make a clear understanding of ground water flow equations of velocity equations.											
CO3	To study the basics of unsteady flow and various methods unsteady flow.											
CO4	To know about the various sources of ground water like collector wells, infiltration galleries.											
CO5	To study about the ground water quality chemistry its origin and water quality standards.											
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						H		L			M	
CO3				H					M			
CO4						M			H	L		
CO5					M							