

Course Number and Name												
BCE084 - HYDROLOGY												
Credits and Contact Hours												
3 & 45												
Course Coordinator's Name												
Ms.B.Kaviya												
Text Books and References												
TEXT BOOKS:												
<ul style="list-style-type: none"> Subramanya K. Engineering Hydrology, Tata McGraw Hill. Publishing Company Limited, 2006 												
REFERENCES:												
<ul style="list-style-type: none"> Raghunath H M, Hydrology, Witey Eastern Limited, New Delhi 1998. Vijay Singh P, Elementary Hydrology -Prentice Hall of India, 1998. Mutreja K N, Applied Hydrology, Tata McGraw Hill Publications, New Delhi, 1998. Jayaram Reddy P Hydrology, Tata McGraw Hill Publications, New Delhi, 1998. 												
Course Description												
<ul style="list-style-type: none"> To impart knowledge on hydrological cycle, spatial and temporal measurement and analysis of rainfall and their applications including flood routing and ground water hydrology 												
Prerequisites						Co-requisites						
Fluid Mechanics						NIL						
required, elective, or selected elective (as per Table 5-1)												
Course Outcomes (COs)												
CO1	Measure the rainfall intensity , duration and frequency											
CO2	Assess the losses of precipitation due to evaporation											
CO3	Prepare the unit hydrograph for surface runoff											
CO4	Solve the flood routine and channel routine problems											
CO5	Conduct yield test on aquifers											
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		H					
CO2	H		H		H							
CO3	H	M	H		M	H						
CO4	H		H	H	H							
CO5	H		H		H							
List of Topics Covered												

