Course Number and Name											
BCE503 - FOUNDATION ENGINEERING											
Credits and Contact Hours											
3 & 45											
Course Coordinator's Name											
Dr. R. Venkata Krishnaiah											
Course Description											

- To impart knowledge on common method of sub soil investigation and design of foundation and to acquire the capacity to investigate the soil condition and to select and design a suitable foundation.

Prerequisites	Co-requisites
Fluid Mechanics	NIL

required, elective, or selected elective (as per Table 5-1)

Course Outcomes (COs)

CO1	Select type of foundation required for the given soil condition.
CO2	Determine the settlement of the foundation on different types of soil
CO3	Find the dimensions of the foundation for isolated footing, combined footing and floating foundation
CO4	Analyze the group of piles for their load capacity
CO5	Carry out stability analysis of retaining walls.

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	H	H							
CO2	H	M	L	H	H							
CO3	H	M	L	H	H							
CO4	H	M	L	H	H							
CO5	H	M	L	H	H							