

Course Number and Name												
BCE504 - REINFORCED CONCRETE STRUCTURES – I												
Credits and Contact Hours												
3 & 45												
Course Coordinator's Name												
Mr.T.P.Maikandaan												
Course Objective												
<ul style="list-style-type: none"> 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						
Theory Of Structures						NIL						
required, elective, or selected elective (as per Table 5-1)												
Course Outcomes (COs)												
CO1	Design RC concrete structural elements using various methods.											
CO2	Design reinforced concrete slabs and beams by WSD for flexure											
CO3	Design various basic elements of reinforced concrete structures like slabs, beams, columns and footings by LSD											
CO4	Design reinforced concrete slabs and beams for shear and torsion by LSD											
CO5	Design reinforced concrete Footing											
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								
CO2			H	H								
CO3	L		H	H								
CO4	M		H	H								
CO5	H		H	H								