

Course Number and Name												
BCE064 - ADVANCED CONCRETE DESIGN												
Credits and Contact Hours												
3 & 45												
Course Coordinator's Name												
Dr.D.S.Vijayan												
Course Description												
<ul style="list-style-type: none"> To apprise the students about the basics of design of flat slabs, folded plates and cylindrical shells. 												
Prerequisites						Co-requisites						
Reinforced Concrete Structures - I						NIL						
required, elective, or selected elective (as per Table 5-1)												
Course Outcomes (COs)												
CO1	To study Limit Analysis of beams in Flexure.											
CO2	Limit analysis and design of Portal frames											
CO3	Analysis and design of orthogrid floors/roofs.											
CO4	Analysis and design of prismatic folded plates and circular cylindrical shells											
CO5	To study the Design of bunkers and silos.											
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			H	H							
	CO4			H	H							
	CO5			H	H							