

No.	Course No.	Course Title	Weekly hours		Credits	Pre-requisite	Learning Type
			Theoretical	Practical			
14	0704341	Structural Analysis (1)	3	0	3	0704244	face-to-face
		Definition of statically determinate structures, support reactions, and type of structures. Analysis of statically determinate beams, frames, trusses, cables and arches. Determining the internal forces in each structure and drawing the variation of these forces. Definition the influence line of different types of structures and draw its variation. Determine the deflection of structures using deferent methods including double integration method, moment area theorem, conjugate beam method, and energy methods (principle of virtual work).					