| No. | Course No. | Course Title | Weekly hours | | Credits | Pre-requisite | Learning Type |
|---|---|---|---|---|---|---|---|
| | | | **Theoretical** | **Practical** | | | |
| 27 | 0704452 | **Reinforced Concrete (2)** | 3 | 0 | **3** | 0704451 | **face-to-face** |
| | | Introduction to design according to working stresses. A study of the serviceability of the structure for various purposes, a study of deflections and cracks in the structures, the design of deep beams and the design of beams subjected to torsional loads. The design of roofing slabs that do not contain beams (fungal slaps), and slabs with nerves, design of columns subject to flexural moments, design of slender columns, frames and staircases. design of foundations, eccentrically loaded foundations, couple moment method, continuous beams and frames, load patterns, bending moment redistribution, deflection, crack adjustment, torsion design, structural distribution method, design of two-way slabs, factors method, direct design method, parabolic frame method (optional), Design of walls, design of staircases, structural details of all structural elements, and design of pre-stressed elements. | | | | | |