



Teaching type	Credit hours(3)	Introduction to Structural Design	course number
face-to-face	pre-requisite 703336		
<p>This course is an introduction to structural design. Subject areas include material properties of reinforcement concrete, stress-strain relation (Distribution of Equivalent Compressive Stress in Concrete), and basic design of reinforced concrete and steel structures. This course explains properties consisting of concrete and specifications of materials, assumptions and basic principles in the reinforced concrete design, rectangular sections, sections in the form of T, in addition to the design of one-way rib slabs, short columns design, isolated footing design, steel structures, standard sections used in steel structures, tension and compression member design, design subject to the curvature of the elements, sections designed to shear, and the design of the steel connections.</p>			