



Teaching type	Credit hours(3)	Advanced Construction Systems	course number
Blended	pre-requisite 703232		
<p>This course presents the creative structural systems and their impact on the architectural space in terms of concepts, meanings and integration in the production of buildings, as well as an explanation of the parts of the modern skeleton structures through studying the surface and linear formations: beam and column, various trusses (Space Truss, Vierendeel, and curved truss), and the space frame structures, curved shells (double and single bend), High Rise Building Systems, Cables and Tents Structure, Pneumatic Structure. As well as Advanced Construction Methods, developing technology of reinforced concrete (Precast and Prestress Concrete), the development of the prefabricated building industry and methods of construction and roofing.</p>			