The Structures II course is intended to be an extension of the Structures I course in which we focused mainly on structural statics or the flow of loads and forces as it relates to structures. As an architect, it is important to have a little knowledge in all aspects of construction. This will help to lead the design team, ask the right questions, and to understand and help make the best informed decisions along with your design team. Therefore, this class is intended to broadly cover as many aspects of structures (as time permits) as it relates to the architectural/construction world. We will try to briefly touch upon structural topics typically covered within a couple of years of college courses and many years of practice. We will begin with a brief overview of the major structural materials (concrete, post tension concrete, steel, metal stud, wood, CMU, etc.). We will then discuss code loads (gravity and lateral loads including wind and seismic loads) and focus on lateral design of a structure. We will also briefly discuss cladding systems and other miscellaneous structural elements such as connectors and piles.

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