

(0902441) Reinforced Concrete (2)

(3 Cr. Hrs.)

Prerequisite: (0902364)

Slender columns. Ultimate strength versus unified design approaches, tension- and compression-controlled members, strain limits. Analysis and design for torsion. Analysis of building frames, simplifications, idealization. Two-way slabs, direct design method, equivalent frame method. Design of stairs. ribbed slabs, approximate methods for two-way slabs, Design of retaining walls