

0403540 Retaining Structures

The aim of this subject is to provide the students with the basic knowledge on the methods adapted in the design of retaining structures> This includes the following:- a review of the basic principles, shear strength, theory of the soil lateral pressure, the effect of dynamic loading on the retaining walls such as the effect of earthquake. The effect of compaction, design of retaining walls design of sheet piles, reinforced soils, excavation, anchors in soils.....etc.