1. 課程名稱：中等土壤力學
2. 學分數：3
3. 課程編號：
4. 授課教師：倪勝火
5. 課程目標：使學生能進一步瞭土水與粘土壓密理論及沉陷問題。
6. 課程內容概要：
   This course is offered for further studies on special topics in soil Mechanics. The course Concentrate on three topics: Water in soils, stresses in soil mass, and consolidation and settlement analysis of clayey soils. Both theoretical point of view, and application of solving practical problem are emphasized in this course. The outline of this course is:
   1. Review of basic physical property of soils
   2. Water in soils : capillary, shrinkage, swelling and frost action
   3. Water in soils : Permeability, seepage, effective stress
   4. Stresses in soil mass
   5. Consolidation theory and consolidation Settlement of cohesive soil
   6. Time rate of consolidation
7. 成績計算方式：
   (a) 期中考 ...........................................................................................................33%
   (b) 期末考 ...........................................................................................................33%
   (c) 作業 ...........................................................................................................34%
8. 教科書或主要參考書：
9. 適合選修對象：大三選修
10. 建議先修基礎課程：無