# 朝陽科技大學 098學年度第1學期教學大綱
# Soil Mechanics Lab. 土壤力學試驗

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| **當期課號** | 1665 | **Course Number** | 1665 |
| **授課教師** | 賴俊仁 | **Instructor** | LAI,JIUNN REN |
| **中文課名** | 土壤力學試驗 | **Course Name** | Soil Mechanics Lab. |
| **開課單位** | 營建工程系(四日)二B | **Department** | |
| **修習別** | 必修 | **Required/Elective** | Required |
| **學分數** | 1 | **Credits** | 1 |
| **課程目標** | 土壤爲工程材料的一種，針對工程分析設計之需要，學生需熟悉土壤之物理、滲透、以及力學等各種性質。故本課程之主要目的乃在使學生熟悉「土壤力學」課程中所提到的各項實驗方法、以及如何正確求得各種土壤參數，以作爲各種大地工程分析設計之參考。 | **Objectives** | The main purpose of this course is to teach the students how to measure the properties of soils. This course starts with an introduction to methods of subsoil exploration. Additional topics covered in this course including: tests for the index properties of soils, compaction quality control tests of soils for engineering purposes, and tests to obtain the mechanical properties, such as hydraulic conductivity, compressibility and shearing strength of soils. |
| **教材** | 課堂講義 | **Teaching Materials** | Laboratory Notes for Geotechnical Engineering |
| **成績評量方式** | 平時成績25%；期中測驗25%；實驗報告25%；期末測驗25% | **Grading** | attending 25%; midterm exam 25%; lab report 25%; final exam 25% |
| **教師網頁** | http://www.cyut.edu.tw/~jrlai/CE2302/Ce2302.htm | | |
| **教學內容** | 土壤試驗導論及介紹、土壤基本物理性質試驗、土壤工程品質控制試驗、室內力學性質試驗 | **Syllabus** | Introduction to soil testing, index properties testing, qualty control testing, engineering properties testing |

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