朝陽科技大學 091學年度第1學期教學大綱
Foundation Engineering 基礎工程

當期課號	1099	Course Number	1099
授課教師	賴俊仁	Instructor	LAI,JIUNN REN
中文課名	基礎工程	Course Name	Foundation Engineering
開課單位	營建工程系(四日)三B	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	地質探勘及地質報告辨讀、基礎的種類、淺基礎的極限承載力、淺基礎的沉陷、筏基礎、深基礎的種類及施工方法、深基礎施工時與土壤之關連、擋土牆設計、開挖後側向土壓力和支撐、開挖後之支撐工法。	Objectives	This course will cover site investigation and geotechnical design summary report after boring. Types of foundations, bearing capacity of shallow foundation, settlement of shallow foundation, design of raft foundation, pile foundation, design of retaining.
教材	課堂講解，繳交作業及小考，期中、末考。	Teaching Materials	let students understand the concept of foundation design
成績評量方式	平時10%；作業 10%；小考30%；期中、末測驗50%	Grading	attending 10%; homework 10%, 2-quiz 30%; midterm exam 25%; final exam 25%
教師網頁			
教學內容	基礎的種類、淺基礎的極限承載力、淺基礎的沉陷、筏式基礎、深基礎的種類及施工方法、開挖後側向土壓力和支撐、開挖後之支撐工法、側向土壓力與擋土牆。	Syllabus	types of foundations, bearing capacity of shallow foundation, settlement analysis, deep foundations, lateral earth pressure and support for ground excavation, earth retaining structures

尊重智慧財產權，請勿非法影印。