朝陽科技大學 096學年度第2學期教學大綱
Foundation Engineering 基礎工程

當期課號	1473	Course Number	1473
授課教師	林商裕	Instructor	LIN,SHANG YUH
中文課名	基礎工程	Course Name	Foundation Engineering
開課單位	營建工程系(四日)二A	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	Principles of Foundation Engineering, B. M. Das, 洪明瑞等譯, 6th edition, PWS Publishing, 2007. (高立圖書公司代理).	Teaching Materials	
成績評量方式	作業 10%.出席率及學習態度 10%.一般小考 10%*2=20%.期中考 30%.期末考 30%.	Grading	1.assignments 10%. 2. study attitudes 10%. 3. oral exams 10%x 2 = 20%. 4. mid & final exams 30% x 2 = 60%.
教師網頁	http://www.cyut.edu.tw/~sylin		
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、側向土壓力與擋土牆。	Syllabus	Types of foundations, bearing capacity of shallow foundation, settlement of shallow foundation, design of raft foundation, pile foundation, design of retaining walls, and lateral earth pressures and supports after excavations.

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