朝陽科技大學 097學年度第2學期教學大綱
Foundation Engineering 基礎工程

當期課號	1593	Course Number	1593
授課教師	蔡佩勳	Instructor	TSAI,PEI HSUN
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	1.書名：大地工程學(二):基礎工程 作者：施國欽編著，文笙書局 2.基礎工程原理 Author: B. M. Das (高立書局代理) 3.書名：Foundation Engineering 作者： Peck, R.B., W.E. Hanson, and T.H. Thornburn, John Wiley & Sons, Inc., 1974.	Teaching Materials	1.Principles of Foundation Engineering Author: B. M. Das 2.Foundation Engineering Author:Peck, R.B., W.E. Hanson, and T.H. Thornburn John Wiley & Sons, Inc., 1974.
成績評量方式	四次小考(4*12.5%), 期末考 (25%) 作業、出缺席 (25%)	Grading	Homework & Attendance 25% Quizzes 50% Final Exam 25%
教師網頁	_		
教學內容	本課程將介紹有關基礎分析與設計，使同學能了解有關淺基礎與樁基礎之分析方法及設計程序。	Syllabus	This course introduces students to the fundamental concepts and application of foundation analysis and design. In this course, foundation can be defined as substructure, such as shallow foundation and pile foundation.

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