朝陽科技大學 091學年度第2學期教學大綱
Foundation Engineering 基礎工程

當期課號	1036	**Course Number**	1036
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	上課課本與筆記 指定作業	**Teaching Materials**	Four homworks and two midterms in class.
成績評量方式	期中考與期末考 (3 ×25%) 作業、出缺席 (25%)	**Grading**	Homework & Attendance 25% Midterm 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、擋土牆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, retaining wall and pile foundation.

尊重智慧財產權，請勿非法影印。