

朝陽科技大學 097學年度第1學期教學大綱  
Design Workshop 設計實務

當期課號	1661	Course Number	1661
授課教師	陳明錚	Instructor	Chen,Ming Cheng
中文課名	設計實務	Course Name	Design Workshop
開課單位	營建工程系(四日)四A	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	本課程藉由組裝模版、鋼筋或鋼骨，進行工地現場實際模擬；使同學熟悉現場供地操作情形。	Objectives	The course focuses on how to set up the form works, steel structure in field. The safety issue is emphasized.
教材	公共工程委員會『公共工程技術資料庫』相關文件	Teaching Materials	
成績評量方式	作業30%、設計專題報告40%、出席20%、答詢10%	Grading	attendance 20% homework 30% special topic report 40% class interaction 10%
教師網頁	-		
教學內容	本課程主要在教授基本工程實務之設計，使學生瞭解基本土木工程設計的流程，包括道路工程、排水工程、橋梁工程、護坡工程、道路照明工程與生態工程等設計。並於課堂中針對實際案例進行討論加強設計概念。本課程將以分組方式，各自完成至少2項基本工程設計之報告。	Syllabus	This course is intended to introduce the fundamentals of engineering project design. Students will learn about the design procedures applied in various engineering aspects including road construction and illumination, drainage design, bridge construction, hill protection, ecology, and more. Students will also involve in case studies to understand how the concepts are applied. The class will be dived in groups, and each group will complete at least two design project reports.

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