朝陽科技大學 098學年度第1學期教學大綱
Project Planning and Control 工程規劃與控制

當期課號	1681	Course Number	1681
授課教師	蕭文達	Instructor	HSIAU,WEN TA
中文課名	工程規劃與控制	Course Name	Project Planning and Control
開課單位	營建工程系(四日)三A	Department	
修習別	選修	Required/Elective	Elective
學分數	2	Credits	2
課程目標	工程專案的執行，需要對進度成本品質做出完善的規劃，方能使工程順利進行，本課程即在教導各項工程規劃方法與技術，課程內容包括進度排程方法、機械生產力分析、資源拉平理論、品質分析方法、成本分析與管制方法。	Objectives	The objectives of the course is to learn the different planning and control techniques in order to know how to manage a construction project, which covers CPM, PERT, ADM/PDM, resource leveling, materials management, cost control, quality planning, safety, insurance and bonding.
教材	(1)混凝土工程設計規範與解說/作者：中國土木水利工程學會 (2)建築技術規則	Teaching Materials	
成績評量方式	平時測驗20%、設計專題製作60%、出缺席20%	Grading	Quiz 20%/ Design project 60%/ Class performance 20%/
教師網頁			
教學內容	本課程爲營建操作實習課程之第二階段；主要在進行一般房屋結構之鋼筋混凝土設計，使學生瞭解RC結構設計的步驟，包括建築物基本設計、細部設計(含基礎、樑、柱及版等構件)及施工注意事項。同時，檢討先前設計作品之優劣，加以改進。本課程將以分組方式，各自完成一簡單房屋結構設計專題。	Syllabus	This course is the second part of the course -- practice of construction Lab.. The content mainly includes the design work of an RC building. Student who takes this course will be familiar with the design steps, including preliminary design, detail design and construction techniques. A review task of a former building design will also be done. Finally, each student will have to complete a simple building design at the end of semester.

尊重智慧財產權，請勿非法影印。