朝陽科技大學 098學年度第1學期教學大綱
Quality Control of Concrete 混凝土品質控制

當期課號	1662	Course Number	1662
授課教師	干裕成	Instructor	KAN,YU CHENG
中文課名	混凝土品質控制	Course Name	Quality Control of Concrete
開課單位	營建工程系(四日)二B	Department	
修習別	必修	Required/Elective	Required
學分數	2	Credits	2
課程目標	混凝土在建築材料上扮演極爲種要的角色,因此本課程針對不同性質的混凝土之材料配比、拌和度、運輸方式、灌置及搗實過程、與養護方式作逐一的詳細探討。	Objectives	The course covers the introduction of the material properties of concrete and of the quality control for producing concrete-products. Selected topics from concrete materials, mix proportioning, properties for early age and hardened concrete, quality control of concrete, and evaluation of deteriorated concrete.
教材	混凝土性質與行爲(作者：黃兆龍)	Teaching Materials	Properties and behavior of concrete
成績評量方式	作業(30%)、平常測驗(20%)、期中考 (25%)、期末考 (25%)	Grading	Homework(30%)、Quiz(20%)、Midterm exam(25%)、Final exam (25%)
教師網頁	_		
教學內容	混凝土新科技之衍進及國內混凝土相關規範之介紹；水泥、粗、細骨材及拌合水等成份之基本性質及其對混凝土之影響；混凝土配比設計、拌製及養護及品質控制；新拌混凝土及硬固混凝土之工程性質	Syllabus	Introduction of technology and relating specifications; properties of the concrete constitutions including cement, coarse aggregates, fine aggregates and water; mix design, placing and quality control of concrete;properties of fresh concrete and harden concrete.

尊重智慧財產權，請勿非法影印。