朝陽科技大學 097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	1639	Course Number	1639
授課教師	李明君	Instructor	LEE,MING GIN
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(黃兆龍)詹氏書局 02-29918058,fax02-23964653 混凝土品管(臺灣營建研究院)02-89195000資訊組,fax02-2912-4104 ACI Manual of Pratice (Concrete Quality Control)	Teaching Materials	混凝土性質與行爲(黃兆龍)詹氏書局 02-29918058,fax02-23964653 混凝土品管(臺灣營建研究院)02-89195000資訊組,fax02-2912-4104
成績評量方式	homeworks 30% midterm and final exams 60% class exams. 10%	Grading	homeworks 20% midterm and final exams 60% class exams. 20%
教師網頁	http://www.cyut.edu.tw/~ce/department/mglee.htm		
教學內容	*混凝土材料特性 *新拌及硬固混凝土的品質控制 *混凝土施工及檢驗 *問題混凝土評估與處理	Syllabus	The course is the advanced course for concrete practice. The purpose of this course is to teach students learning on the handing, mixing, measuring, transporting and placing of all the materials used in making normal weight and light weight concrete, fiber reinforced concrete, high strength concrete, high performance concrete, self-compacting concrete, reactive powder concrete and so on. The special Concrete materials and construction methods are briefly discussed in class.

尊重智慧財產權，請勿非法影印。