朝陽科技大學 099學年度第1學期教學大綱
Construction Materials 營建材料

當期課號	1518	Course Number	1518
授課教師	李明君	Instructor	LEE,MING GIN
中文課名	營建材料	Course Name	Construction Materials
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	2	Credits	2
課程目標	讓學生藉由解說與實際操作材料試驗，瞭解重要營建材料，包括模板、支撐、鋼筋鋼材、水泥、粗細骨材、附加劑、混凝土、磚製品、瀝青、瀝青混凝土和土壤試驗，及包括高性能混凝土配比設計實驗。	Objectives	The course covers the properties of the different construction materials which including steel, metal, concrete, timber, brick, asphalt, rock, composite material and so on. The course is concerned with the material properties of themselves which including elastic modulus, strength, stress and strain, fatigue, creep, and corrosion. The new materials and construction methods are briefly discussed in class.
教材	【土木材料】顏聰著，中華輕質骨材協會，民國95年2月出版。【土木材料】湯兆緯等編譯，高立圖書公司。【土木材料學】王櫻茂著。	Teaching Materials	Civil materials by Tsong. Yen.
成績評量方式	homeworks 30% midterm and final exams 60% class performance 10%	Grading	homeworks 30% midterm and final exams 60% class performance 10%
教師網頁	http://www.cyut.edu.tw/~ce/department/teachter1.html		
教學內容	營建材料，包括模板、支撐、鋼筋鋼材、水泥、粗細骨材、附加劑、混凝土、磚製品、瀝青、瀝青混凝土和土壤試驗，及包括高性能混凝土配比設計實驗。	Syllabus	The construction materials would be including steel, metal, concrete, timber, brick, asphalt, rock, composite material and so on. The course is concerned with the material properties of themselves which including elastic modulus, strength, stress and strain, fatigue, creep, and corrosion. The new materials and construction methods are briefly discussed in class.

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