朝陽科技大學 096學年度第1學期教學大綱
Ecological Architecture and Communities 綠建築及生態社區

當期課號	1748	Course Number	1748
授課教師	郭柏巖	Instructor	KUO,PO YEN
中文課名	綠建築及生態社區	Course Name	Ecological Architecture and Communities
開課單位	建築系(四日)三A	Department	
修習別	選修	Required/Elective	Elective
學分數	2	Credits	2
課程目標	人類對於環境的破壞開發已擴大到地球的尺度，如何利用新的技術解決是相當重要的議題。本課程將介紹台灣正大力推行的綠建築政策與相關技術，並介紹國內外優良的生態社區與建築設計案例。	Objectives	The survival of human being has been seriously threatened by the escalating global environmental destruction of human activities. It is important to use the new technologies to solve the problems.This course will introduce the green building policy and technologies, and furthermore the excellent cases in the world and Taiwan.
教材	(1)美國LEED官方網站：http://www.usgbc.org/ (2）熱濕氣候的綠色建築計畫, 林憲德, 1996, 詹氏書局 (3)城鄉生態, 林憲德, 1999, 詹氏書局 全程以powerpoint簡報方式上課,並輔以實作及討論。	Teaching Materials	(1)Green Buildings Pay, B. Edwards, 1998, London: E & FN Spon. (2)Green Architecture: Design for an Energy-Conscious future, Brenda and R. Valve, 1991, London: Thames and Hudson Ltd. Use the Powerpoint and the web site information.
成績評量方式	(1)平時成績（30%） (2)期中考（30%） (3)期末考（40%）	Grading	(1)Attendance 30% (2)Mid-term 30% (3)Final-term 40%
教師網頁	http://163.17.25.10/discuz/forumdisplay.php?fid=49		
教學內容	1.地球暖化與人類面臨的環境問題 2.綠建築之評估體系(九大指標EEWH)與美國LEED評估系統 3.城鄉生態與生態工法 4.綠建築技術應用 5.國內外優良綠建築案例 6.建築節能 7.水資源與人工濕地	Syllabus	This course will introduce an evaluation system for Green Buildings in Taiwan(EEWH) and USA(LEED) , which emphasizes energy conservation, resource protection, low waste and low environmental impact for the life cycle of the building. This system has become a most urgent strategy for the building administration of Taiwan because the ecological environment is becoming worse and worse. Nine categories, which denote the environmental impact of buildings on resources, climate, water, soil and energy. Also introduce the green buildings technologies and cases all the world.

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