

朝陽科技大學 092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	4012	Course Number	4012
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(二日)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	全程以powerpoint簡報方式上課,並輔以實作及討論。	Teaching Materials	powerpoint
成績評量方式	1.平時成績 30% 2.報告成績 40% 3.期末考核 30%	Grading	Attendance 30% Report 40% Final-term 30%
教師網頁	-		
教學內容	地球環保及住居環境 綠建築之評估體系(七大指標及兩項新增指標) 城鄉生態 生態工法 學校綠建築 都市生態水循環	Syllabus	This paper will introduce an evaluation system for Green Buildings in Taiwan, 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. Seven categories, which denote the environmental impact of buildings on resources, climate, water, soil and energy.

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