朝陽科技大學 091學年度第1學期教學大綱
Green Architecture 綠建築

當期課號	7069	Course Number	7069
授課教師	林子平	Instructor	LIN,TZU PING
中文課名	綠建築	Course Name	Green Architecture
開課單位	建築及都市設計研究所碩士班二A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	提昇建築在社會中的領導地位，並順應世界永續建築的發展，本課將研討美國綠建築指標之真髓！在室內環境、洪水處置與節能設計上，充分運用設計策略來達到環境科技與生態保育的互動與整合。	Objectives	Recent successful public acceptance of the LEED (Leadership in Energy and Environmental Design) rating system has generated vast interests on specific issues such as indoor air quality, storm water management etc… represent the cutting edge of environmental technology and ecological concern in architecture. These concerns expand our vision to the impact that construction industry has on health of the planet, and focus our attention on the health problem associated with the contemporary built environment. Future architects will need to acquire expertise to address effectively these issues on all aspects of design. This class will offer a detailed introduction to issues of human health and environmental sustainability in architectural design. The course will consist of a combination of lectures, seminar discussions of assigned investigations and readings and short analysis of architectural design outcomes and performances. The course will be oriented toward achieving a basic level of competence of technical and ecological literacy relevant to design applications, and will also encourage students to explore and investigate subjects of their interests to built up their knowledge and to produce a guideline for sustainable design.
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	attendence 30% report 40% final exam 30%
教師網頁	_		
教學內容	國內綠建築發展之背景緣由2綠建築評估之體系、原理、計算方式、實例說明(包括基地綠化、保水、日常節能、水資源、二氧化碳減量、廢棄物減量、污水垃圾改善等指標。)3實際案例計算及解說4綠建築新增指標-生物多樣化指標及室內環境指標5綠建築推動現況及具體成效6綠建築評估軟體--GB2002使用說明	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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