朝陽科技大學 099學年度第1學期教學大綱
Vernacular Architecture and Energy Conservation Design of Architecture 風土建築與節能設計

當期課號	1806	Course Number	1806
授課教師	郭柏巖	Instructor	KUO,PO YEN
中文課名	風土建築與節能設計	Course Name	Vernacular Architecture and Energy Conservation Design of Architecture
開課單位	建築系(四日)四A	Department	
修習別	選修	Required/Elective	Elective
學分數	2	Credits	2
課程目標	本課程內容從各國的風土建築形式與發 展特色角度出發，從氣候條件與物理環境的觀點來看建築風土美學下的建築節能計畫。並教導學生從設計面、設備面以及使用管理面來瞭解建築節約能設計的觀念與技術。	Objectives	This course is to introduce the vernacular architecture characters and developments, from a point of view of the local climate context and the environmental physics. And teach the students to know the design、equipments and management to understand the equipments and management to understand the energy conservation design and technologies of architectures.
教材	自製教材，並請參考以下書籍： (1)建築風土與節能設計(亞熱帶氣候的建築外殼節能計畫),林憲德[詹氏書局] (2)Architecture without architects,Bernard Rudofsky。被建築使遺忘的建築,林憲德譯 (3)Solar Power (The evaluation of sustainable Architecture) [Prestel] (4)DWELLINGS(THE VERNACULAR HOUSE WORLDWID) OLIVER,PAUL [PHAIDON PRESS]	Teaching Materials	Powerpoint and computer operation
成績評量方式	1.平時出席成績 30% 2.報告成績 40% 3.期末考核 30%	Grading	1.Attendence 30% 2.Report 40% 3.Final-term 30%
教師網頁	個人LMS數位學習網頁		
教學內容	透過以下主題教導 (1)風土建築的種類與目的(向風土建築學習) (2)建築外殼節能設計手法 (3)台灣建築能源評估(ENVLOAD的計算教學) (4)從設備面與管理面談建築節能	Syllabus	(1)The purpose of vernacular architecture and types.(to learn the vernacular architecture) (2)The energy conservation of building's envelop. (3)Energy evaluation system in Taiwan.(calculating the ENVLOAD) (4)The energy conservation plans about the equipment and management.

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