朝陽科技大學 099學年度第2學期教學大綱
Interior Environment System Control 室內環境系統控制

當期課號	1937	**Course Number**	1937
授課教師	郭章淵	**Instructor**	KUO,JHUN IUAN
中文課名	室內環境系統控制	**Course Name**	Interior Environment System Control
開課單位	室內設計學位學程(四日)二A	**Department**	
修習別	必修	**Required/Elective**	Required
學分數	2	**Credits**	2
課程目標	本課程針對學習室內設計之學生規劃，目的在於教導學生瞭解有關室內設計所需之環境控制知識與相關之實務技術，包括：衛生、防災、電氣與照明、空調系統、音響與弱電。	**Objectives**	This course is designed for the students of Interior design to apply building facility in environment control ; To learning the knowledge and practice technology includes five parts mainly as follows: Sanitary; Anti-disaster; Electrical Facilities and lighting system; Air-condition system; Audio and low-voltage electrical system.
教材	1.自編教學講義 參考資料： 2.吳碩賢、夏清主編，室內環境與設備，中國建築工業出版社。 3.周鼎金編著，建築設備，茂榮圖書有限公司，86年修定版。 教材與相關資訊透過本校LMS網站聯繫	**Teaching Materials**	1.Professor's teaching material 2.Interior environment and facilities 3.Architectural facilities
成績評量方式	期中25%、平常40%（含小考及作業2）、期末35%	**Grading**	Mid-term Examination (25%) ,Participation and report (40%),Final Examination (35%)
教師網頁			
教學內容	本課程針對初學室內環境系統控制學生之需求，將室內環境系統控制做重點與概要性介紹，課程包括以下四部份: 1.室內衛生系統－包括水質、給水器具設備、排水設施； 2.室內防災系統－防災系統、警報及滅火設備， 3.電氣與照明系統－室內電氣設施、配線、光環境與照明設計； 4.空調系統－包括室內熱環境、空調原理、設備空調負荷分析、空調系統設計； 5.音響與弱電系統－包括室內電氣音響、監視等弱電設計。	**Syllabus**	Interior Environment System Control is classified into the following five parts: 1. Sanitary facilities system－include quality of water , design of Sanitary facility , and drain facilities of polluted water. 2. Anti-disaster facilities system －include anti-disaster system, alarm system, design of fire escape system. 3. Electrical Facilities and lighting system－Interior electrical Facilities, design of lighting 4. Air-condition system－includes principles of air-condition , facility , air-condition loading analysis ,design of air-condition system. 5. Audio and low-voltage electrical system

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