朝陽科技大學 091學年度第2學期教學大綱
Topics of Building Lighting 建築照明專題

當期課號	1164	**Course Number**	1164
授課教師	林子平	**Instructor**	LIN,TZU PING
中文課名	建築照明專題	**Course Name**	Topics of Building Lighting
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	教導學生如何將採光與照明設計做統合性的設計，以提昇建築品味與物理環境的機能性。並教導學生瞭解照明光源的種類與燈具選用原則，並使用正確的照明系統在建築設計上，同時教導學生如何在電腦中做出逼真的照明模擬等技巧，讓學生在建築設計的操作中可以立即應用。最後介紹照明節約能源的觀念避免照明的超量設計。	**Objectives**	This course aims to combine the natural lighting design and building lightings design for students. The contents of this course are emphasized on the following parts: (1)Theach the students how to choose the right luminaires and lighting system. (2)The advanced skills in lighting simulation programs in computer. (3)Introduce the energy conservation of the lighting design to avoid the over design.
教材	由照明的種類,手法的說明,繼而舉相關案例作輔助說明,並配合分組報告來加強學生對照明設計之體驗。教材完成整理成PowerPoint格式,以單槍投影機及多媒體設施進行課程之教授。	**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	照明概論,採光與照明基本理論自然採光原理與計劃,自然採光運用於室內實質環境之創造,自然採光手法案例檢討人工照明原理與計劃,人工照明光源種類與特性,間接光與均齊度照明外部照明理論與實例,室內照明節能設計大空間照明計劃與細部設計,商業設施照明計劃與細部設計生態照明運用手法與實例	**Syllabus**	This CALSS will introduce an evaluation system forBuilding Lighting 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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