朝陽科技大學 098學年度第1學期教學大綱
Computer Graphics 電腦繪圖

當期課號	1981	Course Number	1981
授課教師	賴怡成	Instructor	LAI,IH CHENG
中文課名	電腦繪圖	Course Name	Computer Graphics
開課單位	建築系(四日)二A	Department	
修習別	必修	Required/Elective	Required
學分數	2	Credits	2
課程目標	電腦繪圖爲一們訓練建築系學生使用電腦做設計的基礎課程。此課程的教學目的除了培養學生熟悉數位技術外，也希望學院教育與建築業界有一個良好銜接關係。主要的課程內容包括2D基本建築繪圖（平面、剖面、立面與施工圖）、3D建築圖（消點透視圖、等角透視圖）與建築圖像的拼貼等。因此，本課程所使用的軟體，主要包括AutoCAD、FormZ與PhotoShop.	Objectives	Computer drawing is the fundamental course for architectural students to use a computer as a design tool. The objective of this course is to make students familiar with the digital technology, as well as make a good connection between academic design education and practical experience. Therefore, this course focuses on 2D architectural drawings (such as plan, section and elevation drawings), 3D architectural drawings (such as perspective or isometric 3D drawing) and image composition and collage. In this course, the main software includes AutoCAD, FormZ and PhotoShop.
教材	使用軟體主要爲AutoCad 2004或2006, 和SketchUp 5.0 以上版本, 另外, 同學也可以參考其它相關的應用軟體的操作手冊.	Teaching Materials	Based on the syllabus mentioned before, the course should apply the following softwares as the main teaching materials. They are AutoCAD 2004 version or 2006 version,and SketchUp 5.0 version or its higher version. Besides, students can reference some operation manuals for their practices.
成績評量方式	成績評量方式敘述如下: 平時考試：20% 期中作業與報告: 30% 期末作業與報告: 40% 出席與參與：10% (ps: 4次不請假缺席，本科不及格))	Grading	Gradings are based on the number of points accumulated and grades are assigned on a percentage scale as follows: 1. Two exams: 20% 2. Mid-term assignment: 30% 3. Final-term assignment: 40% 4. absence: 10% Besides, students with more than four unexcused absences will fail in this course.
教師網頁	http://blog.xuite.net/ihcheng/eSpace		
教學內容	教學內容主要包括如下: 1. 2D繪圖基礎與作業環境 2. 2D建築圖--平，立，剖等圖面的繪製 3. 3D建築模型與模擬 另外, 本課程的教學模式式架構在「操作中學習學習中操作」。學期中大約有二次平時考試。學生先開始了解基本架構，然後從實際操作中學習。在期中與期末各繳交一次作業，請同學事先準備；每週3小時的課程中1-2個小時，爲使用軟體介紹或相關課題的講演(同學作業的呈現), 剩下的時間爲實際上機操作。	Syllabus	The content of the course includes three parts as described below: 1. Trainning in 2D bisic drawing and CAAD environment 2. Trainning in 2D architectural drawings (plan, section, elevation, and etc.) 3. Trainning in 3D modeling and simulation

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