朝陽科技大學 092學年度第2學期教學大綱
Engineering Graphics Practice 工程圖學實習

當期課號	1280	Course Number	1280
授課教師	鄭宗明	Instructor	CHENG,TZONG MING
中文課名	工程圖學實習	Course Name	Engineering Graphics Practice
開課單位	工業工程與管理系(四日)一B	Department	
修習別	必修	Required/Elective	Required
學分數	1	Credits	1
課程目標	本課程旨在教導學生使用時下普遍使用之電腦輔助繪圖軟體製作2D工程圖及3D實體模型。	Objectives	This course aims to provide students with basic concepts in creating 2D engineering drawings and 3D solid models using CAD software.
教材	1. 課堂授課 2. 多媒體視聽教學	Teaching Materials	1. Lecturing 2. Multimedia Assisted Curriculum
成績評量方式	課堂測驗 80% 平時成績 20%	Grading	In-class-exam 80% Assigments 20%
教師網頁			
教學內容	工程圖乃一切工程設計所共通之語言。所有學習工程圖學之學生必須要能夠熟悉且識別工程圖上所傳達之幾何設計資訊。而隨著科技的進步，工程設計及其表達方式已完全由電腦工具來製作與呈現。當今工業界除了使用工程圖上之平面線條與文數字符號來作實體物件之視覺與觀念表達外，透過同步設計之理論與觀念，幾何圖型本身更可直接被利用或經轉換後作爲控制電腦輔助設計與製造之幾何參數資料。於是，建立正確工程圖學觀念(CNS3，B1001工程製圖國家標準)與習得時下普遍使用之電腦輔助繪圖軟體(中文版 AutoCAD)是爲本課程之主要學習目標。	Syllabus	Engineering drawing is considered as the basic language for engineering communications. All engineering students should be familiar with the symbols and elements in an engineering drawing. Because of the advances in computer-aided engineering, elements in an engineering drawing can now serve as direct control signal to the corresponding manufacturing process. Therefore, building electronically precise drawing is an essential step in all engineering designs. This course will provide basic concepts in creating engineering drawing, plus the operational techniques for AutoCAD.

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