朝陽科技大學 096學年度第1學期教學大綱
Principles of Engineering Design 設計工學

當期課號	3429	Course Number	3429
授課教師	邱相文	Instructor	
中文課名	設計工學	Course Name	Principles of Engineering Design
開課單位	工業設計系(四進)四A	Department	
修習別	選修	Required/Elective	Elective
學分數	2	Credits	2
課程目標	基本工程力學與機構學之介紹，利用電腦軟體進行機構設計與材料應力之模擬設計，增進產品開發之結構強度與穩定性。	Objectives	To introduce the concept of the engineering mechanics and mechanism, using software to study the mechanism design simulation and computer assisted design. Enhance the capability of the structure strength and stability in product design.
教材	1.自編簡報教材 2.機構學 3.Working Model 2D & 3D 軟體	Teaching Materials	1.The self-edition teaching materials for Design engineering. 2.The principle of mechanism. 3.Working Model 2D & 3D software
成績評量方式	1.期中報告30% 2.期末作品30% 3.平常考核與作業40%	Grading	Mid term 30%, Final 30, assignments & participate attitute 40%
教師網頁			
教學內容	一、機構學與基本工程力學概念之介紹。二、Working Model 2D軟體機構設計之電腦模擬與輔助設計講授。三、產品結構與電器產品之專題研究。	Syllabus	1. Introduction the concept of the mechanism & engineering mechanics. 2. Using Working Model software to study the mechanism design simulation and computer assisted design. 3. The product structure and electrical appliance monographic study.

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