

朝陽科技大學 096學年度第2學期教學大綱
Product Development 產品開發

當期課號	1779	Course Number	1779
授課教師	劉子珩	Instructor	LIU, TZU HENG
中文課名	產品開發	Course Name	Product Development
開課單位	工業設計系(四日)三A	Department	
修習別	選修	Required/Elective	Elective
學分數	2	Credits	2
課程目標	建立學生對各種產業的產品開發設計流程之正確觀念,強化同步整合與溝通協調能力提升,建立產品製造與組裝之標準規範。	Objectives	To enhance awareness of correct concept towards product development and procedures in various industries, to improve the ability in exchanging ideas among different functional divisions and to establish the standard operation principles in manufacturing and assembling products.
教材	1.產品設計與開發/Karl T. Ulrich, Steven D. Eppinger著/張書文, 戴華亭譯/普林斯頓國際有限公司總經銷/ISBN:986-157-238-4	Teaching Materials	1. Product Design and Development, 3e /Karl T. Ulrich, Steven D. Eppinger/ ISBN-10 : 007-125947-3
成績評量方式	1.課堂報告摘要發表與發問(50%) 2.報告整理(50%) 3.出席(依學則)	Grading	1. Class summary presentation and questions 50%. 2. Report 50% 3. Attendance same as school guidance.
教師網頁	-		
教學內容	1. 序論 2. 開發程序與組織 3. 產品企畫 4. 確認顧客需求 5. 產品規格 6. 概念產生 7. 概念選擇 8. 概念測試 9. 產品結構 10.工業設計 11.DFM 12.建構原型 13.穩健性設計 14.專利 15.產品開發經濟學 16.專案管理	Syllabus	1. Introduction 2. Development Processes and Organization 3. Product Planning 4. Identify Customer Needs 5. Product Specifications 6. Concept Generation 7. Concept Selection 8. Concept Testing 9. Product Architecture 10.Industrial Design 11.Design for Manufacturing 12.Prototyping 13.Robust Design 14.Patents 15.Product Development Economics 16.Managing Projects

尊重智慧財產權，請勿非法影印。