

朝陽科技大學 092學年度第1學期教學大綱  
Metal Product Materials and Technology 金屬產品材料與技術

當期課號	7504	Course Number	7504
授課教師	陳維隆	Instructor	CHEN,WEILONG
中文課名	金屬產品材料與技術	Course Name	Metal Product Materials and Technology
開課單位	設計研究所碩士班二A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程介紹各種金屬合金特性與製程以促使設計師或研發人員能針對產品需求之特性選擇或應用最適當的材料訓練設計系學生熟悉並能夠運用各種金屬材料於產品設計與開發，並比較重要非金屬材料之差異性。	Objectives	This course comprises introduction of character and process of various common metal alloys used in products. The course will provide fundamental knowledge to students with design background in selecting proper metal in developing metal products.
教材	指定書籍 講義 上機實做	Teaching Materials	Assign reading On class lecture Project assignments
成績評量方式		Grading	midterm 30% final exam 30% final project 40%
教師網頁	-		
教學內容	本課程著重於介紹輕金屬材料於產品設計之應用並使用商業軟體輔助設計與模擬製造流程	Syllabus	Modern metal materials and manufacturing technologies will be introduced. Light metal like aluminum and magnesium alloy will be focused in this course. Manufacturing techniques commonly used will also be addressed. Commercial CAE softwares will be used to evaluate the design and manufacturing factors related to the materials.

尊重智慧財產權，請勿非法影印。