

**朝陽科技大學 096學年度第2學期教學大綱**  
**Special Topic in Analytical Technology of Material 材料分析化學特論**

<b>當期課號</b>	7186	<b>Course Number</b>	7186
<b>授課教師</b>	葉倍宏	<b>Instructor</b>	YEH, PEI HUNG
<b>中文課名</b>	材料分析化學特論	<b>Course Name</b>	Special Topic in Analytical Technology of Material
<b>開課單位</b>	應用化學系碩士班一A	<b>Department</b>	
<b>修習別</b>	選修	<b>Required/Elective</b>	Elective
<b>學分數</b>	3	<b>Credits</b>	3
<b>課程目標</b>	本課程主要介紹應用於材料分析之分析技術，包括表面分析技術，X光繞射技術、熱分析、電子顯微鏡等分析技術，俾使學生進一步瞭解材料之特性。	<b>Objectives</b>	This course will introduce some analysis technique apply in material: surface analysis X-ray diffraction, electron microscopy and related analytical techniques, to get more information about material.
<b>教材</b>	採用講義及投影片授課	<b>Teaching Materials</b>	By handout and transparency
<b>成績評量方式</b>	以筆試成績為主,出席率與報告佔40%,期中考佔30%及期末考佔各30%。	<b>Grading</b>	Graded by the examination, the ratio is 40%, 30%, 30% of presence and report, midterm and final examination.
<b>教師網頁</b>	-		
<b>教學內容</b>	1. 材料鑑定介紹 2. 光譜分析 3. 層析方法 4. 熱分析 5. 形態學分析 6. 機械與流變分析 7. 其他分析方法	<b>Syllabus</b>	1. Introduction to Material characterization 2. Spectroscopy Analysis 3. Chromatographic Methods 4. Thermal Analysis 5. Morphology Analysis 6. Mechanical and rheological analysis 7. Miscellaneous

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