

朝陽科技大學 092學年度第1學期教學大綱  
Technique in Analytical Research 分析光譜特論

當期課號	7179	Course Number	7179
授課教師	陳文正	Instructor	CHEN,WEN JANQ
中文課名	分析光譜特論	Course Name	Technique in Analytical Research
開課單位	應用化學系碩士班二A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程主要對測定化學物質的原理與方法進行探討，內容包括光譜法、質譜法及核磁共振分析法等。	Objectives	This course will focus on the concept and methods of chemical determination. The content will include photon spectrometry, mass spectrometry, and nuclear magnetic resonance spectrometry.
教材	講授與討論	Teaching Materials	Lecture and discussions
成績評量方式	出席，課前預習及小考：20%/ 期中考:40%/ 期末考：40%	Grading	Attendance, Pre-study and Quiz : 20%/ Middle Exam : 40%/ Final Exam : 40%
教師網頁	-		
教學內容	由儀器分析原理介紹，配合儀器分析實驗的助教訓練，使學生具備操作與運用分析儀器之能力。內容包括基本光學原理，儀器設計原理，儀器操作原理等，光譜儀器介紹包括原子光譜儀器，分子光譜儀器，以及核磁共振光譜儀。	Syllabus	The objective of this course is to help students establish the ability of operating and applying analytical instruments. The goal is accomplished by introducing the principle of instrumental analysis accompanied with the training in teaching instrumental analysis experiments. The contents of this course include the introduction of spectrometric principle, the principle of instrument design, and the principle of operation of instruments. The spectrometry including atomic spectrometry, molecular spectrometry and nuclear magnetic resonance spectroscopy will be introduced.

尊重智慧財產權，請勿非法影印。