朝陽科技大學 094學年度第1學期教學大綱
Instrumental Analysis(Ⅱ) 儀器分析(二)

當期課號	1640	Course Number	1640
授課教師	陳政男	Instructor	CHEN,CHANG NAN
中文課名	儀器分析(二)	Course Name	Instrumental Analysis(Ⅱ)
開課單位	應用化學系(四日)三A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程將分別介紹各種原子及分子分析光譜儀器的原理、功能及實際的應用。	Objectives	This course will introduce both atomic and molecular spectroscopies . The principles, instrumentations, functions, and practical applications of these techniques will also be included.
教材	Principles of instrumental analysis, Skoog Holler Nieman	Teaching Materials	
成績評量方式	4次筆試總合(25% x 4)	Grading	4次筆試總合(25% x 4)
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，另外亦將介紹層析分析儀器包括氣相層析儀及液相層析儀。	Syllabus	The objective of this course is to help students establish the ability of operating and applying analytcal instruments. The goal is accomplished by introducing the principle of instrumental analysis accompanied with the traning in instrumental analysis experiments. The contents of this couse include the introduction of spectrometric principle, the principle of instrumnet design, and the principle of operation of instruments. The spectromerty including atomic spectrometry and molecular spectrometry as well as chromatography will also be introduced.

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