

朝陽科技大學 091學年度第1學期教學大綱
Special Topics in Spectroscopy of Organic Chemistry 有機光譜特論

當期課號	7217	Course Number	7217
授課教師	陳清玉	Instructor	CHERN,CHING YUH
中文課名	有機光譜特論	Course Name	Special Topics in Spectroscopy of Organic Chemistry
開課單位	應用化學系碩士班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	在有機化學的領域中，由於了解化合物的真正結構，才能使得今日在各方面的應用科學如此發達，例：藥物化學。所以，此門課的方向，便是教導學生如何利用現有的一些儀器所測得的圖譜，加以分析推測某化合物的真正結構。	Objectives	The main purpose for this course is to teach the students how to identify organic compounds from the complementary information included mass, infrared, nuclear magnetic resonance, and ultraviolet.
教材	講義、網路授課	Teaching Materials	Handout, interact through network.
成績評量方式	作業 10% 小考 50% 期末考 40%	Grading	Homework 10% Quiz 50% Final examination 40%
教師網頁	-		
教學內容	一般學習的有機合成沒有鑑定結構便不完整，有機光譜便是藉著紅外線光譜儀，紫外線光譜儀，質譜儀，核磁共振儀等來解答未知物的結構。	Syllabus	Before attempting to deduce the structure of an unknown organic substance from an experimental, we can simplify the problem somewhat by examination the molecular of its spectra, for example, Infrared, Ultraviolet, Mass, ¹ H Nuclear Magnetic spectroscopy.

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