

朝陽科技大學 095學年度第1學期教學大綱
Special Topics in Spectroscopy of Organic Chemistry 有機光譜特論

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| 當期課號 | 7180 | Course Number | 7180 |
| 授課教師 | 卓重光 | Instructor | JOW, CHUNG KUANG |
| 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 | Introduction to Spectroscopy, 3rd edition Pavia, Lampman, Kriz by Harcourt college publishers | Teaching Materials | Introduction to Spectroscopy, 3rd edition Pavia, Lampman, Kriz by Harcourt college publishers |
| 成績評量方式 | Mid term 20*3=60% Final exam 25% Homework 15% | Grading | Mid term 20*3=60% Final exam 25% Homework 15% |
| 教師網頁 | - | | |
| 教學內容 | This Course will introduce the Spectroscopic methods for the structure determination and spectral assignments for Organic Compounds . The students will learn to use an FT-IR, a 300-MHz FT-NMR, a MS and a variety of computer software. | Syllabus | This Course will introduce the Spectroscopic methods for the structure determination and spectral assignments for Organic Compounds . The students will learn to use an FT-IR, a 300-MHz FT-NMR, a MS and a variety of computer software. |

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