

朝陽科技大學 092學年度第1學期教學大綱
Heterocyclic Chemistry 雜環化學

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| 當期課號 | 6238 | Course Number | 6238 |
| 授課教師 | 楊德芳 | Instructor | YANG,TE FANG |
| 中文課名 | 雜環化學 | Course Name | Heterocyclic Chemistry |
| 開課單位 | 應用化學系(二進)五A | Department | |
| 修習別 | 選修 | Required/Elective | Elective |
| 學分數 | 3 | Credits | 3 |
| 課程目標 | 本課程的目標是讓學生對雜環化合物的結構，反應及合成有進一步的認識。內容包含五元環、六元環及四元環等含有氧、氮、硫原子化合物的介紹及討論。 | Objectives | Various heterocyclic systems, including six-membered or five-membered ring compounds with one, two or more heteroatoms, will be discussed. Three-, four- and seven-membered ring compounds will be introduced. The contents of lectures include preparation and properties of heterocyclic compounds. Especially, the general features of those properties will be identified and emphasized. |
| 教材 | (1) 老師講解, (2) 師生討論 | Teaching Materials | (1) Lectures given by the teacher (2) Discussions |
| 成績評量方式 | 四次考試: 每次佔 25 % | Grading | Four exams: 25 % for each. |
| 教師網頁 | - | | |
| 教學內容 | (1) 環狀化合物的合成原理, (2) 六元環含單一雜原子化合物的合成, (3) 五元環含單一雜原子化合物的合成, (4) 六元環含雙雜原子化合物的合成, (5) 五元環含雙雜原子化合物的合成, (6) 各種含多重雜原子化合物的合成. | Syllabus | (1) Ring synthesis, (2) Six-membered ring compounds with one heteroatom, (3) Five-membered ring compounds with one heteroatom, (4) Six-membered ring compounds with two or more heteroatom, (5) Five-membered ring compounds with two or more heteroatom, (6) Three- and four-membered ring compounds. |

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