朝陽科技大學 092學年度第2學期教學大綱
Organic Reaction Mechanisms 有機反應機構

當期課號	1617	Course Number	1617
授課教師	黃金德	Instructor	HUANG,CHIN TEH
中文課名	有機反應機構	Course Name	Organic Reaction Mechanisms
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	本課程目的在使學生熟悉各種有機反應之進行機制與原理。	Objectives	The purpose of this course is to provide the student the basic knowledge of the organic reaction mechanisms, which includes: 1)nucleophilic reactions; 2) elimination reactions; 3) polar rearrangements; 4) cyclization reactions; 5) orbital symmetry.
教材	Oral presentation,and group discussion	Teaching Materials	Oral presentation,and group discussion
成績評量方式	Three tests and performance in group discussion	Grading	Three tests and performance in group discussion
教師網頁			
教學內容	教學內容 主要內容：一、學習基本的理論及定義 二、學習不同化學反應及應用等。讓學生學習基本有機化學的反應機構，由淺而深，包括理論及應用。學生具有了這些知識之後才能修習其他進階的課程及研究	Syllabus	To discuss the basic terminology, types of chemical transformations and their reaction mechanisms. These include a] polare reactions under basic and acidic conditions, pericyclic reactions, free radical reactions and transitional metal-catalyzed and -mediated reactions. The ultimate goal is to teach student how to write a reasonalbe reaction mechanism for any chemical transformation

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