朝陽科技大學 096學年度第1學期教學大綱
Special Topics in Organic Reactions 有機反應特論

當期課號	7180	Course Number	7180
授課教師	黃金德	Instructor	HUANG,CHIN TEH
中文課名	有機反應特論	Course Name	Special Topics in Organic Reactions
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	對現代有機反應的應用及其系列的探討，特別是近十年來著名的文獻及其合成，作逐一的研討。	Objectives	The main purpose of this course is to provide the knowledge of more complicate organic reactions, emphasis on the key papers for the recent years.
教材	1. March's Advanced Organic Chemistry, 5th Ed., M.B. Smith and J. March, John and Wiley sn Sons: Chapter 10-18 2. Name Reactions and Reagents in Organic synthesis by B.P. Mundy and M.G. Ellerd, John Wiley	Teaching Materials	口頭討論
成績評量方式	Three tests and performance in group discussion	Grading	筆試及討論表現
教師網頁			
教學內容	To discuss the basic terminology, types of chemical transformations and their reaction mechanisms. These include a] polar reactions under basic and acidic conditions, pericyclic reactions, free radical reactions and rearrangements, reduction and oxidations. The ultimate goal is to teach student how to write a reasonalbe reaction mechanism for any chemical transformation.	Syllabus	討論基本原理、反應之歸類、各類反應之討論及反應機構、探討應用

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