朝陽科技大學 098學年度第1學期教學大綱
Organic Chemistry(I) 有機化學(一)

當期課號	1816	Course Number	1816
授課教師	黃金德	Instructor	HUANG,CHIN TEH
中文課名	有機化學(一)	Course Name	Organic Chemistry(I)
開課單位	應用化學系(四日)二A	Department	
修習別	必修	Required/Elective	Required
學分數	4	Credits	4
課程目標	本課程目的在建立學生基礎有機化學的概念，對各種不同的官能基的製備、性質、結構的介紹。著重於合成方法的探討，藉以了解各式化學反應，立體化學觀念的建立亦是本課程之另一重點。	Objectives	This course is intended for students to be familiar with organic synthesis. Basic principles of organic chemistry are taught in this one-year course. The properties of major functional groups are introduced systematically along with reaction mechanisms at appropriate places. The discussions of reaction types and chemical transformations are included. The basic concepts of stereochemistry are discussed in considerable details. The terms and relationships and properties of stereoisomers are emphasized. Another purpose of this course is to bridge the gap between organic chemistry and biochemistry in teaching the basic mechanistic principles of molecular interactions.
教材	Organic Chemistry(7th Edition) by John McMurry Brooks/Cole	Teaching Materials	
成績評量方式	舉行多次小考及期中、末考	Grading	severaltests, midterm and final exams
教師網頁	www.cyut.edu.tw/~mhuang		
教學內容	主要內容：一、學習基本的理論及定義 二、學習不同有規類機物的、化學反應及應用等。讓學生學習基本有機化學的知識，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。 三、章節含烯、苯、醇、酚、謎、醛、酮、等製造及相關之反應。	Syllabus	This course deals with the basic principles, definition, chemical reactions and applications of organic chemistry. Various categories of compounds will be discussed individuallly. Upon the completition of this course, the students will have sound knowledge to study the advanced courses such as biochemistry, any advanced organic chemistry couses,...etc. Subjects include conjugated alkenes, aromatics, alcohols, phenol, ehter, aldehyde, ketones, carboxylic acids and their derivatives, carbohydrates in the their preparations, characteristics, and various chemicalreactions.

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