朝陽科技大學 092學年度第2學期教學大綱
Organic Chemistry(II) 有機化學(二)

當期課號	6209	Course Number	6209
授課教師	張清堯	Instructor	CHANG,CHING YAO
中文課名	有機化學(二)	Course Name	Organic Chemistry(II)
開課單位	應用化學系(二進)三A	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	本一學年課程之目的在對大二之學生介紹有化學之基本原理，對有機分子結構與反應進行系統介紹，進而介紹合成反應以整合所學知識。	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	配合投影片作上課教材的講解及利用習題的練習提升同學的學習成效	Teaching Materials	Learning by slides and explainations, and study by students with homeworks
成績評量方式	平時成績 30% 期中考 30% 期末考 40%	Grading	Test 30% Mid-term 30% Final-term 40%
教師網頁			
教學內容	本課程的學習目的在於建立有機化學的基礎觀念及其應用，課程內容可分爲: 1.有機化合物官能基的介紹及其性質。 2.分子結構及酸、鹼觀念。 3.各類化合物反應形式的介紹及應用。 4.立體化學的定義及生化上的意義。 5.有機化合物的純化及鑑定。 6.各類官能機的反應性及其應用。	Syllabus	The study of organic chemistry is consisted of 1. Introduction of functional group for organic compounds. 2. The configurations of organic molecule and the concepts of acids v.s bases 3. Definitions of reaction type and advance of organic reactions 4. stereochemistry 5. The purification and identification for organic compounds 6. The reactivity of functional groups