

108 學年度 第 1 學期 高等有機化學(一) Advanced Organic Chemistry(I) 課

程綱要

課程名稱：		開課單位：	應化碩		
(中文) 高等有機化學(一)		永久課號：	IAC5647		
(英文) Advanced Organic Chemistry(I)					
授課教師：					
蒙國光、戶部義人					
學分數：	3.00	必 / 選修：	選修	開課年級：	*
先修科目或先備能力：					
Students take the advanced organic chemistry (I) should pass a two-semester introduction course in organic chemistry. As the lectures will be given in English, students should have the English listening and writing ability.					
課程概述與目標：					
The objective of the advanced organic chemistry (I) is provision of a in-depth understanding of the structure of organic compounds and related reaction mechanisms. This course will be given by Prof Kwok-Kong Mong (SB 533) and Prof Yoshito Tobe (SB 353).					
Topics to be covered:					
<ul style="list-style-type: none"> • Chemical Bonding, Molecular Structure [Part-A chapter 1] – Prof Tobe • Stereochemistry, Conformation, and Stereoselectivity [Part-A chapter 2] – Prof Tobe • Nucleophilic Substitution [Part-A chapter 4]-Prof Tobe • Polar Addition and Eliminations [Part-A chapter 5]- Prof Mong • Carbanions and other Carbon Nucleophiles [Part A chapter 6]- Prof Mong • Alkylation of Enolates and Other Carbon Nucleophiles [Part B Chapter 1] Prof Mong 					
教科書 (請註明書名、作者、出版社、出版年等資		Advanced Organic Chemistry Part A and Advanced Organic Chemistry Part B from Carey, F. A.; Sundberg, R. J., 5th Edition. Noted, the			

訊) :		electronic version of the test-books is available from School library e-book system (http://webpac.lib.nctu.edu.tw/F?RN=830803197).					
課程大綱			分配時數			備註	
單元主題	內容綱要		講授	示範	習作		其他
教學要點概述 :							
1.學期作業、考試、評量 Quiz (to be announced) Mid term examination (Nov-5-2019) Final examination (Jan-7 or Jan-10-2020)							
2.教學方法及教學相關配合事項 (如助教、網站或圖書及資料庫等)							
師生晤談	排定時間		地點		聯絡方式		
					E-mail of Prof Tobe: tobe@chem.es.osaka-u.ac.jp E-mail of Prof Mong: tmong@mail.nctu.edu.tw		
每週進度表							
週次	上課日期	課程進度、內容、主題					

備註 :

- 1.請遵守智慧財產權觀念及勿使用不法影印教科書。
- 2.其他欄包含參訪、專題演講等活動。

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