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②國玄東華大學

教學計劃表 Syllabus

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課程名稱(中文) Course Name in Chinese			有機化學(二)			學年/學期 Academic Year/Se	113/2			
Cour		名稱(英文) me in English	Organic Chemistry(II)							
科目代碼 Course Code			CHEM21500	系級 Department & Year	學二	開課單位 Course-Offering Department		化學系		
		修別 Type	學程 Program							
			/陳國庭							
		### Course Description #### Course Description ##### Course Description ###################################								
介紹基本有機化學知識,包含alkene, alkyne, aromatic compounds, amine, acids 等化學反應。										
課程目標 Course Objectives										
透過有系統的介紹,各有機分子的形成及各基的特性及其化學反應,讓學生能充分了解有機化學與日常生活及健康的密切關係。										
	課程目標與系專業能力相關性 Correlation between Course Objectives and Dept.'s Education Objectives A 具備生命科學相關學科之基礎知識。Having the basic knowledge of life science.									
A	A 具備生命科學相關學科之基礎知識。Having the basic knowledge of life science.									
В	B 具備邏輯分析與解決問題的能力。Having the capabilities of logical analysis and problem solving.									
С	problem solving. 具備資料整合、數據分析與書面及口頭報告之能力。Having the capabilities of data integration and analysis, and the skills of written and poster presentation.									
D	integration and analysis, and the skills of written and poster presentation.									
圖示說明Illustration : ● 高度相關 Highly correlated ○中度相關 Moderately correlated										
			授課進	度 表 Teaching	g Schedule	e & Content				
週次Week			內容 Subject/Topics				備註Remarks			
1 課程介紹										
2	2	Reaction of Alk	of Alkenes (I)							
3	Reaction of Alkenes (II)									
4	4 Reaction of Alkenes (III)									
5 Reaction of Alkyr			ynes							
6	6 Radical reaction									
7	7 Alcohols and Phenols (I)									
8	3	Alcohols and Ph	enols (II)							

9	期中考試 Midterm Exam							
10	Ethers and Epoxides							
11	Reactions of Aromatic compounds							
12	Reactions of Aldehydes and Ketones							
13	13 Reactions of Carboxylic acids (I)							
14	14 Reactions of Carboxylic acids (II)							
15	15 Amines							
16	16 Bioorganic molecules							
17	期末考試 Final Exam							
18								
教學策略 Teaching Strategies								
課堂講授 Lecture								
其他Miscellaneous:								
教 學 創 新 自 評 Teaching Self-Evaluation								
創新教學(Innovative Teaching)								
問題導向學習(PBL) 團體合作學習(TBL) 解決導向學習(SBL)								
翻轉教室 Flipped Classroom								
社會責任(Social Responsibility)								
在地實踐Community Practice								
跨域合作(Transdisciplinary Projects)								
跨界教學Transdisciplinary Teaching 跨院系教學Inter-collegiate Teaching								
業師合授 Courses Co-taught with Industry Practitioners								
其它 other:								

學期成績計算及多元評量方式 Grading & Assessments									
配分項目	配分比例 Percentage	多元評量方式 Assessments							
Items		測驗 會考	實作 觀察	口頭 發表	專題 研究	創作 展演	卷宗 評量	證照 檢定	其他
平時成績(含出缺席) General Performance (Attendance Record)	25%	>							
期中考成績 Midterm Exam	30%	>							
期末考成績 Final Exam	35%	>							
作業成績 Homework and/or Assignments									
其他 Miscellaneous (出席)	10%	>							

評量方式補充說明

Grading & Assessments Supplemental instructions

教科書與參考書目(書名、作者、書局、代理商、說明)

Textbook & Other References (Title, Author, Publisher, Agents, Remarks, etc.)

課程教材網址(含線上教學資訊,教師個人網址請列位於本校內之網址)

Teaching Aids & Teacher's Website(Including online teaching information.

Personal website can be listed here.)

其他補充說明(Supplemental instructions)