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②图 i 東華大學 教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese			物理化學(二)			學年/學期 Academic Year/Se	113/2		
Cour		名稱(英文) me in English	Physical chemistry(II)						
科目代碼 Course Code			СНЕМ21300	系級 Department 學二 & Year		開課單位 Course-Offering Department		化學系	
		修別 Type	學程 Program	學分數/時月 Credit(s)/Hou		3.0/3.0	/3.0		
		課教師 tructor	/張海舟						
		修課程 equisite							
課程描述 Course Description									
量子化學與分子光譜									
			課	程目標 Cour	se Objecti	ives			
培養學生在物理化學領域中之專業知識。									
系專業能力 Basic Learning Outcomes							Cor	程目標與系專業能 力相關性 relation between urse Objectives and Dept.'s Education Objectives	
A	具備化	學基礎知識							
В	具備獲	【 備獨立思考及分析解決問題之能							
С	具備化學專業知								
D	具備執	古 執行化學實驗之能力							
E	具備國	具備國際視野與外語能力							
圖示言	說明 I l	lustration :	高度相關 Hi	ghly correla	ated 〇中	度相關 Moderatel	y corre	lated	
授課進度表 Teaching Schedule & Content									
週次Week 內容 Subject/Topics					cs		備註Remarks		
1 Chapter 7 (quai			ntum theory)						
2 Chapter 7 (tum theory)						
3	}	Chapter 7 (quan	tum theory)						
4 Chapter 7 (quantum theory)									
5	5 Chapter 7 (quantum theory)								
(3	3/24 mid-term 1							
1 7	7 Chapter 7 (quantum theory)								

8	Chapter 8 (atomic structure and spectra)						
9	Chapter 8 (atomic structure and spectra)						
10	Chapter 8 (atomic structure and spectra)						
11	Chapter 8 (atomic structure and spectra)						
12	5/5 mid-term 2						
13	Chapter 11 (molecular spectroscopy)						
14	Chapter 11 (molecular spectroscopy)						
15	Chapter 11 (molecular spectroscopy)						
16	Chapter 11 (molecular spectroscopy)						
17	6/9 final						
18	no class						
教學策略 Teaching Strategies							
✓ 課堂講授 Lecture							
上 大でMIOCEITALICUUS.							
教 學 創 新 自 評 Teaching Self-Evaluation							
	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 磨課師 Moocs							
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 General Performance	0%								
期中考成績 Midterm Exam	57%	>							
期末考成績 Final Exam	33%	~							
作業成績 Homework and/or Assignments	10%						~		
其他 Miscellaneous ()	0%								

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.)

Physical Chemistry (12th Edition), P.W. Atkins

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)