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## ②图 z 東華大學 教學計劃表 Syllabus

		扒了	- 可 更17人	Oyıı	abus					
	名稱(中文) ame in Chinese	陶瓷材料			學年/學期 Academic Year/Sen	nester	114/1			
	名稱(英文) ame in English									
	科目代碼 urse Code	MSD1130	博士	開課單位 Course-Offering 材料科學與工程學系 Department						
	修別 Type 選修 Elective 學分數/時間 Credit(s)/Hour(s) 3.0						)/3.0			
	受課教師 istructor	/傅彦培								
	先修課程 erequisite	e								
課程描述 Course Description										
本課程主要	·是把陶瓷材料介紹	給初學的學生,	使初學者能夠了	解陶瓷的	性質及未來發展的重	要性。				
				se Object						
designed		amic materials	to beginner st	tudents so	性質及未來發展的重音 that they can und					
系專業能力 Basic Learning Outcomes							程目標與系專業能 力相關性 relation between urse Objectives and Dept.'s Education Objectives			
A chem	ical, and mathemat	ic knowledge for	materials scien	nce and en	gineering.		$\circ$			
B prof	essional knowledge						•			
	_			_						
	具備專業道德及責任感,與良好的溝通及團隊合作的能力。Acquire professional morality and responsibility, and capability of quality communication and team cooperation.									
1 14 1	Education Objectives  具備材料科學所需的進階物理、化學及數學的知識。Acquire required advanced physical, chemical, and mathematic knowledge for materials science and engineering.  具備材料科學的進階專業知識,並能應用於解決工程上之問題。Acquire required advanced professional knowledge for materials science and engineering, applicable in solving engineering problems.  具備獨立研究之能力。Equipped with capabilities of independent research.  具備專業道德及責任感,與良好的溝通及團隊合作的能力。Acquire professional morality and responsibility, and capability of quality communication and team cooperation.  具備適當的英文能力,應用於學習與交流。Acquire English capability used for learning and interaction.									
圖示說明Illustration : ● 高度相關 Highly correlated ○中度相關 Moderately correlated										
		授課進	度表 Teaching	g Schedul	e & Content					
週次Week		內容	Subject/Topi		1	備註Remarks				
1	Introduction to	o Ceramics								
2	2 Introduction to Ceramics									
3	Structure of Co	eramics								
4	Structure of Co									
5	Structure of Ceramics									
6	Structure of Co	eramics								

7	7 Structure of Ceramics							
8	Structure of Ceramics							
9	期中考試週 Midterm Exam							
10	Defects in Ceramics							
11	11 Defects in Ceramics							
12	Defects in Ceramics							
13	13 Defects in Ceramics							
14 Mass and Electrical Transport								
15 Mass and Electrical Transport								
16	16 Mass and Electrical Transport							
17	17 Mass and Electrical Transport							
18	18 期末考試週 Final Exam							
教學策略 Teaching Strategies								
課堂講授 Lecture								
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 ■ 磨課師 Moocs								
社會責任(Social Responsibility)								
跨域合作(Transdisciplinary Projects)  跨界教學Transdisciplinary Teaching  跨院系教學Inter-collegiate Teaching								
考が数子 II ansurscriptinary reaching   断元永数字 III tel - Corregiate 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)	10%								
期中考成績 Midterm Exam	40%	>							
期末考成績 Final Exam	40%	<b>~</b>							
作業成績 Homework and/or Assignments	10%								
其他 Miscellaneous			日子上						

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)