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## ② 图 z 東華大學 教學計劃表 Syllabus

		7人	一口 町 11	Oy 1	Tabus					
	課程名稱(中文) rse Name in Chinese  陶瓷製程  Academic Yes					1 113/7				
	名稱(英文) me in English	Ceramic Processing								
	目代碼 rse Code	系級 開課單位 MS_54900 Department					材料科學與工程學系			
	修別 Type	選修 Elective	0/3.0							
	課教師 tructor	/張文固								
	修課程 equisite									
		課	程描述 Cours	se Descri	ption					
果程主要講	述陶瓷材料的結晶	構造、缺陷、種	類及陶瓷製程、	·相變化及	相關的電磁與光性質					
		課	程目標 Cour	se Objec	tives					
 吏學生瞭解P	陶瓷材料的製作程	坚序及其相關應用								
系專業能力 Basic Learning Outcomes							力相關性 relation between urse Objectives and Dept.'s Education Objectives			
					advanced physical, ngineering.		$\circ$			
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.							•			
C 具備獨立研究之能力。Equipped with capabilities of independent research.										
B 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.							0			
圖示說明∐	lustration :	● 高度相關 Hi	ighly correla	ated O	中度相關 Moderately	corre	lated			
		授課進	度 表 Teachin	g Schedu	le & Content					
週次Week	次Week 內容 Subject/Topics						備註Remarks			
1	Introduction of Ceramics									
2	228放假	228放假								
3	Atomic Bonding and Crystal Structure of Ceramics									
4	Defect of Ceramics									
5	5 Preparation of advanced ceramic powders -1									
6	6 Preparation of advanced ceramic powders -2									

7	清明節放假							
8	Powder and its characterization							
9	期中評量							
10	Milling and mixing							
11	Drying technology							
12	12 Die compaction							
13	13 Thin Film Processing							
14	Sintering -1							
15	端午節補假							
16	Sintering - 2							
17	學期評量							
18	成績登錄及補充教學							
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)	20%								
期中考成績 Midterm Exam	40%								
期末考成績 Final Exam	40%								
作業成績 Homework and/or Assignments									
其他 Miscellaneous									

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)