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②國玄東華大學

課 網 Course Outline

材料科學與工程學系學士班

中文課程名稱

Cou	rse Name in nese	電化學原理與腐蝕工程					
英文課程名稱 Course Name in English		Principle of Electrochemistry and Corrosion Engineering					
科目代碼 Course Code		MS41190	班 別 Degree	學士班 Bachelor's			
修別 Type		學程 Program	學分數 Credit(s)	3. 0	時 數 Hour(s)	3.0	
先修課程 Prerequisite							
課程目標 Course Objectives							
使學生了解電化學原理,利用電化學原理解釋腐蝕的機制及防蝕的基本原理。 Students will understand the principles of electrochemistry and use them to understand the mechanisms of corrosion and the basic principles of anticorrosion.							
系教育目標 Dept.'s Education Objectives							
1	奠定理論基礎 Set the theoretical foundation						
2	訓練實用技能 Train the practical skill						
3	培養優質人格 Form the positive cher						
4	啟發創新思 Promote creative thinking						
5	開展國際視野 Develop global vision						
		系專業能力 Basic Learning Out	comes		力相關性 Correlati between C Objective	Course es and Education	
A	Acquire required	的物理、化學及數學的矣 l basic physical, chem nterials science and e	ical, and mat	chematic		•	
В	Acquire required	-業知識,並能應用於解決 I professional knowled applicable in solvin	ge for materi	als science	(•	

С	具備邏輯思考、實驗執行、報告撰寫與數據解釋之能力。 Equipped with capabilities of logic thinking, execution of experiment, and data interpretation.	0				
D	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	0				
Е	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Illustration : ● 高度相關 Highly correlated ○中度相關 Moderately correlated						
課程大綱 Course Outline						
本課程主要介紹電化學原理,利用電化學原理解釋腐蝕的機制及防蝕的基本原理。 This course introduces the principles of electrochemistry, the use of electrochemical principles to understand the mechanism of corrosion and the basic principles of anticorrosion.						
資源需求評估(師資專長之聘任、儀器設備的配合・・・等) Resources Required (e.g. qualifications and expertise, instrument and equipment, etc.)						
カロ セン か						
課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods						
Classroom lectures						
其他						
Miscellaneous						