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## ②國玄東華大學

## 課 網 Course Outline

## 材料科學與工程學系一般組

中文課程名稱 Course Name in Chinese		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		MS_57110	班 別 Degree		碩士班 Master's		
修別 Type		選修 Elective	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。							
		· · · · · · · · · · · · · · · · · · ·	教育目標 pootion Object	ivos			
	Dept.'s Education Objectives ,建立專業知識基礎						
1	Set the professional knowledge foundation						
2	培養專業實驗技能						
	Train the professional experimental skill						
3	養成獨立研究能力 Insure capability of independent research						
4	養成優質社會人格 Form the positive social character						
5	開展國際視野 Develop global vision						
系專業能力 Basic Learning Outcomes			力相關性 Correlati between C Objective Dept.'s	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.					•	
В	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						

С	具備獨立研究之能力。 Equipped with capabilities of independent research.	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。						
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.)						
課程要求和教學方式之建議						
Course Requirements and Suggested Teaching Methods						
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其他 Miscellaneous						
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