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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

Cou	文課程名稱 rse Name in nese	計算材料科學						
Cou	文課程名稱 rse Name in lish	Calculation in mate	rial science					
科目代碼 Course Code		MS56050	班 別 Degree		碩士班 Master's			
修月 Typ		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								
to help students understand connections between Gibbs energy and phase diagrams and to help them understand thermodynamics of materials.								
系教育目標 Dept.'s Education Objectives								
1	建立專業知識基礎 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					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.			0				
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.					
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.					
圖示說明Illustration : ● 高度相關 Highly correlated ○中度相關 Moderately correlated						
課程大綱 Course Outline						
to help students apply computer software in academic and engineering works.						
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.)						
可使用Matlab軟體的電腦教室						
課程要求和教學方式之建議						
Course Requirements and Suggested Teaching Methods						
其他						
Miscellaneous						