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②國玄東華大學

課 網 Course Outline

材料科學與工程學系國際組

中文課程名稱

Cou	rse Name in nese	計算材料科學					
英文課程名稱 Course Name in English		Calculation in material science					
科目代碼 Course Code		MSD0040	班 別 Degree	博士班 Ph. D.			
修別 Type		選修 Elective	學分數 Credit(s)	3. 0	時 數 Hour(s)	3.0	
	多課程 requisite						
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						
課程目標與系專 力相關性 系專業能力 Correlation between Course					ion		
Basic Learning Outcomes			Objective Dept.'s	Objectives and Dept.'s Education Objectives			
A	Acquire required knowledge for ma	的進階物理、化學及數學 advanced physical, cl terials science and e	hemical, and ngineering.			0	
В	Acquire required	階專業知識,並能應用が advanced professiona neering, applicable in	l knowledge	for materials		•	

С	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。					
D	Acquire professional morality and responsibility, and	\circ				
	capability of quality communication and team cooperation.					
Е	具備適當的英文能力,應用於學習與交流。	n.				
	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						
The course will teach students how to use MatLab package in academic work. Students						
will learn the basic knowledge of numerical solutions of different kind of problems						
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						
1.	1. Note Book					
2. PC Classroom						
其他						
Miscellaneous						