②國玄東華大學

課 網 Course Outline

自然資源與環境學系學士班

		- 口灬只你	兴场境学系学士功				
中文課程名稱 Course Name in Chinese		普通化學實驗					
英文課程名稱 Course Name in English		General Chemistry Lab					
科目代碼 Course Code		CHEM10700	班 別 Degree	學士班 Bachelor's			
修別 Type		學程 Program	學分數 Credit(s)	1.0	時 數 Hour(s)	1.0	
先修課程 Prerequisite							
			課程目標				
Course Objectives							
藉著實際的操作,培養學生對化學的興趣,及日增進其思考和觀察之能力。							
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		Dent's Fo	r致りロホ ducation Objective	S			
	 		deation objective	5			
1	培養兼具國際視野與本土關懷的學生 To develop students who care about local issues and have an international						
1	perspective						
	Perspective						
2						ences	
	培養具備環境倫理與人文素養的環境公民						
3	'o teach students to be environmental citizens (i.e., knowledgeable about						
environmental ethics and human issues)							
系專業能力 Basic Learning Outcomes			相關性 Correlation Course Obje and Dept.'	課程目標與系專業能力 相關性 Correlation between Course Objectives and Dept.'s Education Objectives			
A	具備自然科學與社會科學的基礎知識 To be knowledgeable of fundamental theories in the natural and social sciences.						
В	具備觀察、理解、闡釋自然環境與人類社會互動及變遷關係的能力 To be able to observe, understand, and interpret the changing interactions of natural resources and human society.						
С	的能力 To have the abil	策略、閱讀論文、掲 ity to collect da write and present	ta, understand sci	entific			

	能終身學習、對環境維持熱情、關懷、並願意做出對在地環境獻身 的承諾					
D						
	enthusiasm and concern for the environment, and to develop					
	commitment to the local environment.					
Е	具備環境倫理觀、社會責任感與社會實踐力					
	To develop and implement environmental ethics and social					
	responsibility.					
F	具備獨立思考、溝通協調與團隊合作的能力					
	To think independently, to communicate effectively, and to	0				
	cooperate with others as a team.					
G	具備基本外國語文能力					
	The be able to communicate in a foreign language.					
圖示說明Illustration : ● 高度相關 Highly correlated ○中度相關 Moderately correlated						
課程大綱						
Course Outline						
利用簡單之化學原理及常用之化學儀器有計畫的進行科學性的實驗,教導正確之實驗室						
規則及正確之實驗態度。						
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.)						
化學所研究生二人擔任助教。						
課程要求和教學方式之建議						
Course Requirements and Suggested Teaching Methods						
先以錄影教學再於實驗室分組進行,並實際操作各項實驗及撰寫實驗報告。						
其他						
Miscellaneous						

規劃負責老師:

單位主管:

系課程委員會審議通過日期: