②图玄東華大學

課 綱 Course Outline

自然資源與環境學系學士班

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中文課程名稱 Course Name in Chinese		微積分					
英文課程名稱 Course Name in English		Calculus					
科目代碼 Course Code		AM11400	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				
		Cour	se Objectives				
本課程希望能 引導學生學習運用分析、綜合、推理等基本方法建構起實際問題和理論之間的橋樑,充份體認此一學問的精神,以作為將來解決實際問題的基礎。							
			系教育目標				
			ducation Objective	es			
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 perspective						
2	培養具備自然科學	B養具備自然科學與社會科學知識的人才 o educate students to have knowledge of both the natural and social sciences					
3	培養具備環境倫理與人文素養的環境公民						
系專業能力				相關性 Correlation	Correlation between		
		Basic Learning Outcomes		and Dept.	Course Objectives and Dept.'s Education Objectives		
A	具備自然科學與社會科學的基礎知識)	
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 sc	ientific			

	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	To cultivate the values of lifelong learning, to maintain					
	enthusiasm and concern for the environment, and to develop					
	commitment to the local environment.					
	具備環境倫理觀、社會責任感與社會實踐力					
Е	To develop and implement environmental ethics and social					
	responsibility.					
	具備獨立思考、溝通協調與團隊合作的能力					
F	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					
Մ	The be able to communicate in a foreign language.					
圖元	說明Illustration :● 高度相關 Highly correlated ○中度相關 Moderately corr	elated				
	課程大綱					
	Course Outline					
1. Limits and Their Properties						
2.	2. Differentiation					
1	3. Applications of Differentiation					
4.	4. Integration					
5.	5. Applications of Integration					
6.	6. Integration Techniques, LHopital's Rule, and Improper Integrals					
7. Infinite Series						
8.	8. Functions of Several Variables					
9.	9. Multiple Integration					
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						
上課方式以講授、問答及討論為主。						
其他						

規劃負責老師:

單位主管:

Miscellaneous

系課程委員會審議通過日期: