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②國玄東華大學

課 網 Course Outline

	林 柳 物理學系應	H物理博士班				
中文課程名稱 Course Name in Chinese	當代物理專題(一)					
英文課程名稱 Course Name in English	Topics in Contemporary Physics (I)					
科目代碼 Course Code	APH_D0010	班 別 Degree		博士班 Ph. D.		
修別 Type	必修 Required	學分數 Credit(s)	2. 0	時 數 Hour(s)	2. 0	
先修課程 Prerequisite						
	Cours	課程目標 se Objectives				
需之實用知識。 This course introdu		nd research fo f physical sc 系教育目標	orefronts in coniences and/or to	ntemporary	physics	
1 Essential train	Dept.'s Education Objectives 培養具有研發能力的高科技人才 Essential training of professionals for research and development knowledgeintensive industries.					
9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	培養大學物理師資 Professional training for college physics teaching.					
' " ' ' '	厚植本系所及理工學院之教學研究水準 Promoting the teaching and researching potential of the department and the college.					
/	培養物理專業研究人才 Professional training in physics research.					
				課程目標力相關性	與系專業能	

4	Professional training in physics research.	
		課程目標與系專業能
		力相關性
		Correlation
		between Course
Basic Learning Outcomes		Objectives and
		Dept.'s Education
		Objectives
	具備物理與相關應用領域之專業知識	
A	Possessing professional knowledge in physics and related	•
	application fields.	

能以物理知識與邏輯推理,分析解決物理問題 Being able to analyze and solve physics problems based on basic knowledge in physics as well as logical reasoning.	•			
瞭解當代實驗儀器之原理,並具備操作實驗儀器之能力 Understanding the principles of up-to-date equipment and being able to operate them for performing physics experiments.	0			
能利用電腦處理各類物理問題 Being able to use computers for solving various physics problems.	\circ			
E對學術倫理有清楚正確之認知 Properly and clearly acknowledging the academic ethics.	•			
具備以口頭報告及論文寫作發表研究成果之能力 Possessing the skills of oral presentation and scientific writing for publishing research findings.	•			
G 具備科技發展之國際觀及外語溝通能力 Having an international view of the technology developments and being able to use a foreign language for communications.	•			
圖示說明Illustration : ● 高度相關 Highly correlated ○中度相關 Moderately correlated				
課程大綱 Course Outline				
課程內容依當年需求決定,所涵蓋主題將選自本系現有研究領域。 Course Outline Course content will vary yearly with current need. Topics covered are to be selected from actively-pursued research fields of the department. 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 eq	urpment, etc.)			
課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods				
教學方式包含講授、討論或分組報告。教師可視學生研究領域與需求選擇主題,或經學生參與討論後決定之。 Course Requirements and Suggested Teaching Methods This course will proceed with lectures, discussions and/or group presentations. Topics may be chosen by the instructor(s) in view of students' research fields, or determined through discussions with students.				
其他 Miscellaneous				