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②國玄東華大學

課 網 Course Outline

資訊工程學系國際組

中文課程名稱 Course Name in Chinese		影像處理導論						
英文課程名稱 Course Name in English		Introduction to Image Processing						
科目代碼 Course Code		CSIEB0440	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								
	Course Objectives							
引導學生進入影像處理這個領域,培養影像處理的知識與技能。 To lead students into the field of image processing and cultivate the knowledge and skills of image processing								
系教育目標 Dept.'s Education Objectives								
1 1 1	具備學科知識,養成專業技能 Acquire academic knowledge, develop professional skills							
1 7 1	與羽剑斩田 去, 八长韶氿明斯							
131	拉美團院特神,與羽港涌入佐							
1 /1 1								
5 滋育人文素養,開拓國際視野 Cultivate humanities, broaden global perspectives								
		系專業能力 D. I. O. I			力相關性 Correlati between (Course		
Basic Learning Outcomes					Dept.'s	Objectives and Dept.'s Education Objectives		
A	-	・身學習能力 f lifetime learning in information profession						
В	實驗驗證資訊科學 Ability of valid information scie	ate experimental resu	lt validation	n in		0		

С	資訊工具整合運用能力 Ability of integrated applications of information technology	•			
D	資訊系統應用設計開發能力 Ability of information application system design and development	•			
Е	團隊合作溝通協調能力 Ability of teamwork, communication, and coordination	0			
F	資通訊科技問題解決能力 Ability of problem solving regarding information and communication technology	0			
G	瞭解資訊科技多元影響能力 Ability to understand information technology's multiple influences	•			
Н	肩負資訊人社會責任能力 Ability of bearing the social responsibilities being among information professionals	0			
圖示說明Illustration :● 高度相關 Highly correlated ○中度相關 Moderately correlated					
					

課程大綱 Course Outline

(一) 影像處理基礎理論。Basic theory of image processing

- (二) 影像處理技術探討。Discussion on image processing technology
- (三) 影像處理應用範疇。Application scope of image processing

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

教學以講授及討論為主,並輔以專題研究、口頭報告及論文評析等。英文能力、影像處理法則、及程式設計三者將是教學要求重點。

Teaching is mainly lectured and discussed, supplemented by thematic research, oral presentations and article reviews. English proficiency, image processing theories, and programming will be the focus of teaching requirements.

其他 Miscellaneous