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②國玄東華大學

課 網 Course Outline

資訊工程學系資工組

Cou	て課程名稱 rse Name in nese	虚擬實境導論					
Cou	C課程名稱 rse Name in lish	Introduction to Virt	ual Reality				
科目代碼 Course Code		CSIE34300	班 別 學士班 Degree Bachelor's				
修另 Typ		學程 Program	學分數 Credit(s)	3.0	時 數 Hour(s)	3. 0	
1	を課程 requisite						
			課程目標 e Objectives				
1. Introduce the VR input/output/hardware 2. Develop and construct VR contents 3. Discuss VR applications in a variety of fields 4. Learn OpenGL programming							
			系教育目標 ucation Objec	tives			
1	具備學科知識、養成專業技能 Acquire academic knowledge, develop professional skills						
2	學習創新思考,分析解決問 Inspire innovative thinking, increase analytical problem solving ability						
3	培養團隊精神,學習溝通合作 Promote teamw ork spirit, encourage coordination and cooperation						
4	提昇專業倫理、承擔社會責任 Sublimate professional ethics, engage social responsibility						
5	涵育人文素養、開拓國際視野 Cultivate humanities, broaden global perspective						
		系專業能力 Basic Learning Out	comes		力相關性 Correlati between (Objective	Course es and Education	
A	資訊專業終身學習能力 Ability of lifetime learning in information profession					•	
В	實驗驗證資訊科學能力 B Ability of validate experimental result validation in information science field					0	

Miscellaneous						
。 其他						
以講授與討論方式進行。學生應以程式作業的方式實際進行虛擬實境系統的設計與實作						
課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods						
本所已俱備該專長師資						
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.)						
12. Construction of Panorama & Object Movie						
11. Construction of 3D contents						
10. 3D Display Technology						
9. ARToolKit						
7. Open GL 3D Graphics and Transformation 8. VRML & X3D						
	pen GL Overview					
5. V	TR Application					
	R datput R Hardware					
	R Input R Output					
1	1. VR Overview					
Course Outline						
圖示說明Illustration : ● 高度相關 Highly correlated ○中度相關 Moderately correlated 課程大綱						
圖:	information professionals 国子說明Illustration : ● 京庭相関 Highly correlated ○中庭相関 Moderately correlated					
Н	肩負資訊人社會責任能力 Ability of bearing the social responsibilities being among	\circ				
G	瞭解資訊科技多元影響能力 Ability to understand information technology's multiple influences	•				
F Ability of problem solving regarding information and communication technolog						
L L	資通訊科技問題解決能力	\cap				
Е	團隊合作溝通協調能力 Ability of teamwork, communication, and coordination	0				
D	Ability of information application system design and development	0				
	Ability of integrated applications of information technology 資訊系統應用設計開發能力					
C	C 資訊工具整合運用能力					