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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	計算機結構						
英文課程名稱 Course Name in English	Computer Architecture						
科目代碼 Course Code	1 (STERITED)						
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							
讓學生了解一個現代的 CPU 其內部架構為何,如何使速度更快、記憶體層次的觀念、輸出/入的影響,以及基本的平行架構。							
系教育目標 Dept.'s Education Objectives							
1 具備學科知識,養成專業技能 Acquire academic knowledge, develop professional skills							
1 7 1 1 1 1	學習創新思考,分析解決問題 Inspire innovative thinking, increase analytical problem solving ability						
3 培養團隊精神,學習溝通合作 Promote teamwork spirit, encourage coordination and cooperatio							
4 提昇專業倫理,承擔社會責任 Sublimate professional ethics, engage social responsibility							
5 函育人文素養,開拓國際視野 Cultivate humanities, broaden global perspectives							
系專業能力 Basic Learning Outcomes			課程目標與系專業能 力相關性 Correlation between Course Objectives and Dept.'s Education Objectives				
A 資訊專業終身學習 Profound profess	R能力 sional knowledge and	skills			•		
IBI	· 驗驗證資訊科學能力 bund and free spirit; simple and generous quality		0				
C 資訊工具整合運用 Ability to appro	l能力 eciate beauty and thi	ink creatively			•		

D	資訊系統應用設計開發能力 Sense of democracy, the rule of law, and civil responsibility	0			
Е	團隊合作溝通協調能力 Ability of communication, teamwork, and social practice	•			
F	資通訊科技問題解決能力 Possess both domestic and global perspectives	0			
G	瞭解資訊科技多元影響能力 Knowledgeable and possess the quality of humanism	0			
Н	肩負資訊人社會責任能力 Ability of verbal expression and information organization and application				
圖	圖示說明Illustration : ● 高度相關 Highly correlated ○中度相關 Moderately correlated				
課程大綱 Course Outline					
2. 3. 4. 5. 6. 7.	2. The Role of Performance3. Instructions: Language of the Machine4. Arithmetic for Computers				
	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.)				
現有師資設備可支援					
課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods					
期中考、期末考與平常作業,平常作業包括寫數個組合語言程式。					
其他 Miscellaneous					
1	MISCELIANEOUS				