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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		CSIEB0160	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							
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						
2		B習創新思考,分析解決問題 nspire innovative thinking, increase analytical problem solving ability					
3		紫精神,學習溝通合作 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	5 涵育人文素養,開拓國際視野 Cultivate humanities, broaden global perspectives						
系專業能力 Basic Learning Outcomes				力相關性 Correlati between (Objective Dept.'s	課程目標與系專業能 力相關性 Correlation between Course Objectives and Dept.'s Education Objectives		
A	A 資訊專業終身學習能力 Profound professional knowledge and skills						
В	B 實驗驗證資訊科學能力 Sound and free spirit; simple and generous quality					0	
С	C 資訊工具整合運用能力 Ability to appreciate beauty and think 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					
圖示說明Illustration : ● 高度相關 Highly correlated ○中度相關 Moderately correlated						
課程大綱 Course Outline						
1.	1. Computer Abstractions and Technology					
2.	·					
3.						
4.						
6.	6. Enhancing Memory with Pipelinging					
7.						
8.	8. Interfacing Processors and Peripherals					
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						