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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		作業系統					
英文課程名稱 Course Name in English		Operating Systems					
科目代碼 Course Code		CSIEB0170	班 別 學士班 Degree 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							
The goal of the course is to let you understand the major operating systems components and organization and the computer resources management strategies.							
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	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 Promote teamwork	學習溝通合作 rk 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 perspectives						
課程目標與系專業 力相關性 系專業能力 Correlation between Course					ion		
Basic Learning Outcomes					Objective Dept.'s Objective	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 Ability of validate experimental result validation in information science field						
С	C 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	0				
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	0				
Н	肩負資訊人社會責任能力 Ability of bearing the social responsibilities being among information professionals					
圖示說明Illustration :● 高度相關 Highly correlated ○中度相關 Moderately correlated						
課程大綱 Course Outline						
 Introduction System Structure Process Concept Multithreaded Programming Process Scheduling Synchronization Deadlocks Memory-Management Strategies Virtual-Memory Management 						
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.)						
Existing suitable full-time teachers						
課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods						
Class lectures, assignments, lab sessions and term project						
其他 Miscellaneous						
1						