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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		資料結構實驗					
英文課程名稱 Course Name in English		Lab of Data Structures					
科目代碼 Course Code		CSIEB0230	班 別 Degree Bachelor's				
修別 Type		學程 Program	學分數 Credit(s)	1.0	時 數 Hour(s)	1.0	
先修課程 Prerequisite							
課程目標 Course Objectives							
Practically practice the spirit and key points of data structure design, and enhance the ability of data structure implementation							
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		情神,學習溝通合作 eamwork 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						
課程目標與系專力 力相關性 Correlation between Course Basic Learning Outcomes Objectives and Dept.'s Educat					on Course es and Education		
A	0bjectives 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	資訊工具整合運用 Ability of integ	能力 grated applications of	information	technology		0	

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					
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						
Part. 1 basic data structure design exercise 1. Array 2. Stacking and Queuing 3. Serial 4. tree 5. Heaps 6. Graphs Part. 2 Basic programming and algorithm exercises 1. Recursive programming exercise 2. String processing exercises 3. Sorting 4. Searching						
5. Basic graphics algorithm exercises						
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						
会社女が作教学が氏之建筑 Course Requirements and Suggested Teaching Methods						
Computer exercises						
其他 Miscellaneous						