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②國玄東華大學

課 網 Course Outline 資訊工程學系資工組

	育訊.	工程學系資工	組				
中文課程名稱 Course Name in Chinese							
英文課程名稱 Course Name in English	Compiler Design and Implementation						
科目代碼 Course Code	CS1E33900	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		3.0		
先修課程 Prerequisite	無						
修習程式語言語式(的設計與實際製作。	syntax)和語義(semantic	課程目標 rse Objectives s)的正規表示法	·,以從事程式(编譯器			
的設計與資際裝作。							
	具備學科知識、養成專業技能 Acquire academic knowledge, develop professional skills						
1 7 1	學習創新思考,分析解決問 Inspire innovative thinking, increase analytical problem solving ability						
	培養團隊精神,學習溝通合作 Promote teamw ork spirit, encourage coordination and cooperation						
/	提昇專業倫理、承擔社會責任 Sublimate professional ethics, engage social responsibility						
1 7 1	涵育人文素養、開拓國際視野 Cultivate humanities, broaden global perspective						
-				課程目標	與系專業能		

)	Cultivate humanities, broaden global perspective			
	糸專業能力	課程目標與系專業能 力相關性 Correlation between Course		
	Basic Learning Outcomes	Objectives and Dept.'s Education Objectives		
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	0		
С	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	•			
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 technolog	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 Modera	ately correlated			
課程大綱					
Course Outline					
2. 3. 4. 5.	Syntactic and semantic analysis using formal models Parsing techniques Code generation Code optimization Automatic programming: lex and yacc 編譯器實作				
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.)					
現有師資及儀器設備可支援,不需另聘師資					
課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods					
課堂講授、課後作業演練及程式製作					
其他					
Miscellaneous					