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②图 i 東華大學 教學計劃表 Syllabus

			V V	1 = 1	<i>3</i>						
Cour		名稱(中文) me in Chinese	計算機概論AA			學年/學期 Academic Year/Sem	104/1				
課程名稱(英文) Course Name in English Introduction to Computer Science											
		目代碼 rse Code	CSIE1020AA	系級 Department 學一 (& Year		開課單位 Course-Offering Department	資訊工程學系				
		修別 Type	學程 Program	學分數/時戶 Credit(s)/Hou		3	.0/3.0)/3.0			
授課教師 Instructor / 黄振榮											
	先修課程 Prerequisite										
課程描述 Course Description											
對於電腦科學各重要領域做通盤性的介紹,教師講授、討論為主,並輔以作業與考試。											
	課程目標 Course Objectives										
介紹計算機科學與工程的入門知識,使初步接觸此學門的本科系學生對於各 重要領域能有一通盤性的瞭解,課程尤強調學生的程式設計能力與計算機網 路的使用,以奠定日後修習各類課程的基礎。											
				·業能力 ning Outcomes			Cor	程目標與系專業能 力相關性 relation between urse Objectives and Dept.'s Education Objectives			
A		業終身學習能力Abi						•			
В	B 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		系統應用設計開發能力Ability of information application system design and elopment									
Е	團隊合作溝通協調能力Ability of teamwork, communication, and coordination										
1	communication technology										
G	influences										
II								0			
圖示說明Illustration : ● 高度相關 Highly correlated ○中度相關 Moderately correlated											
			授課進	度 表 Teaching	g Schedul	e & Content					
週次Week			內容 Subject/Topics					備註Remarks			
1		N/A									
2 Binary Values a			and Number Syst								
3 Data Representa			ntion								

	1									
4	Gates and Circuits									
5	Computing Components									
6	Low-Level Programming Languages and Pseudocode									
7	Problem Solving and Algorithm									
8	Abstract Data Types and Subprograms									
9	期中考試週 Midterm Exam									
10	File Systems and Directories									
11	Information Systems									
12	Artificial Intelligence									
13	Object-Oriented Design and High-Level Programming Languages									
14	Operating Systems									
15	Networks									
16	The World Wide Web									
17	Computer Security									
18	期末考試週 Final Exa									
教 學 策 略 Teaching Strategies										
✓ 課堂講授 Lecture ✓ 分組討論Group Discussion ✓ 参觀實習 Field Trip										
其他Miscellaneous:										
	學期成績計算及多元評量方式 Grading & Assessments									
	分項目	配分比例				多元評量	量方式 A	ssessme	nts	
	Items	Percentage	測驗 會考	實作觀察	口頭 發表	專題 研究	創作 展演	卷宗 評量	證照 檢定	其他
平時成績 Ge Performance		15%		~						
期中考成績	Midterm Exam	30%	>							
期末考成績	Final Exam	40%	>							
作業成績 Ho Assignments	omework and/or	15%		~						
其他 Miscellaneous ()										
		Condition 0 A		量方式社				_		
		Grading & A	ssessme	ents Sup	prement	al inst	ruction	S		

教科書與參考書目(書名、作者、書局、代理商、說明)

Textbook & Other References (Title, Author, Publisher, Agents, Remarks, etc.)

Computer Science Illuminated, Sixth Edition, Nell Dale and John Lewis, ISBN-13:9781284055917 Jones & Bartlett Learning, 2016

課程教材網址(教師個人網址請列在本校內之網址)	
Teaching Aids & Teacher's Website (Personal website can be listed here.)	
其他補充說明(Supplemental instructions)	