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②图 i 東華大學 教學計劃表 Syllabus

		教与	产訂劃衣	Sy 117	abus				
	名稱(中文) me in Chinese	資料結構實驗			學年/學期 Academic Year/Se	nester	114/1		
	名稱(英文) me in English	Lab of Data Structures							
	新目代碼 Course Code					資	資訊工程學系		
	修別 Type 學和 Program Page Program Page Program Credit(s)/Hour(s) 1.0/								
	課教師 tructor	/楊舜博							
	修課程 equisite								
課程描述 Course Description									
In this course, we aim to train students how to store data in an efficiency way.									
課程目標 Course Objectives									
	practice the sture implementat		points of data	structur	e design, and enha	ance the	ability of		
系專業能力 Basic Learning Outcomes						Cor	課程目標與系專業能 力相關性 Correlation between Course Objectives and Dept.'s Education Objectives		
A 資訊專業終身學習能力Ability of lifetime learning in information profession							•		
B 實驗驗證資訊科學能力Ability of validate experimental result validation in information science field							•		
C 資訊工具整合運用能力Ability of integrated applications of information technology							\circ		
D 資訊系統應用設計開發能力Ability of information application system design and development							•		
E 图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							\bigcirc		
G 瞭解資訊科技多元影響能力Ability to understand information technology's multiple influences							0		
II									
圖示說明∐	lustration :	● 高度相關 Hi	ighly correlat	ted 〇中	度相關 Moderatel	y corre	lated		
		授課進	度 表 Teaching	Schedule	& Content				
週次Week		內容 Subject/Topics					備註Remarks		
1	1 Course Introduction								
2	Intro. to C++ (Object-oriented Programming							
3	Basics of Data	Structures							

4	Arrays: I						
5	Arrays: II						
6	Linear Lists: I						
7	Linear Lists: II						
8	Stacks and Queues: I						
9	期中考試週 Midterm Exam						
10	Stacks and Queues: II						
11	Trees: I						
12	Trees: II						
13	Graph: I						
14	Graph: II						
15	Sorting: I						
16	Sorting: II						
17	Searching: I						
18	期末考試週 Final Exam						
教學策略 Teaching Strategies							
課堂講授 Lecture 分組討論Group Discussion 參觀實習 Field Trip							
其他Miscellaneous:							
教 學 創 新 自 評 Teaching Self-Evaluation							
創新教學(Innovative Teaching)							
問題導向學習(PBL) ■ 團體合作學習(TBL) ■ 解決導向學習(SBL)							
翻轉教室 Flipped Classroom 磨課師 Moocs							
社會責任(Social Responsibility)							
□ 在地實踐Community Practice □ 產學合作 Industy-Academia Cooperation							
跨域合作(Transdisciplinary Projects)							
□ 跨界教學Transdisciplinary Teaching □ 跨院系教學Inter-collegiate Teaching							
□ 業師合授 Courses Co-taught with Industry Practitioners							
其它 other:							

學期成績計算及多元評量方式 Grading & Assessments									
配分項目	配分比例 Percentage	多元評量方式 Assessments							
Items		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(含出缺席) General Performance (Attendance Record)	0%								
期中考成績 Midterm Exam	0%								
期末考成績 Final Exam	0%								
作業成績 Homework and/or Assignments	100%								
其他 Miscellaneous			日子上						

評量方式補充說明

Grading & Assessments Supplemental instructions

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.)

課程教材網址(含線上教學資訊,教師個人網址請列位於本校內之網址)

Teaching Aids & Teacher's Website(Including online teaching information.

Personal website can be listed here.)

http://www.elearn.ndhu.edu.tw

其他補充說明(Supplemental instructions)