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## ②图玄東華大學

# 教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	程式設計 (一)			學年/學期 Academic Year/Semester		113/1	
課程名稱(英文) Course Name in English	Introduction to Computer Programming(I)						
科目代碼 Course Code	DMSI10010	系級 Department 學一 ( & Year		開課單位 Course-Offering Department	數位行銷與服務創新國際 學士班		
修別 Type	學程 Program	學分數/時間 Credit(s)/Hour(s)		3.0/3.0			
授課教師 Instructor	/張漢利						
先修課程 Prerequisite							

#### 課程描述 Course Description

This course is an introductory course to programming. It aims to establish a strong base in essential programming concepts and techniques, enhancing students' problem-solving and critical thinking skills through interactive lessons, projects, and exercises. Conducted in English, the course prepares students for the global programming community. By the end, students will understand programming principles well and be equipped with practical coding skills. These skills are vital for pursuing advanced courses in programming, algorithms, data structures, data analysis, machine learning, and solving real-world problems.

#### 課程目標 Course Objectives

This course aims to provide students with a solid foundation in computer programming using the C and Python languages. Students will learn how to write clear codes through a hands-on learning approach. This course is designed for individuals with little to no programming experience. Students will also gain practical programming experience and develop problem-solving skills through small projects and exercises. By the end of the course, students will be able to perform basic programming tasks and have a solid foundation for further exploration of advanced topics.

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	系專業能力 Basic Learning Outcomes	課程目標與系專業能 力相關性 Correlation between Course Objectives and Dept.'s Education Objectives					
A	具備以資訊技術協助企業運作與商業管理之知識與應用能力	•					
В	具備邏輯思考、問題分析與解決之能力	•					
С	具備溝通協調與團隊合作之能力	0					
D	具備創新思維之能力	0					
Е	具備國際視野及外語溝通之能力	0					
回二.	図二分明Illustration · ▲ 立座中間 Highly gorrolated ○中座中間 Moderately gorrolated						

圖示說明Illustration :● 高度相關 Highly correlated ○中度相關 Moderately correlated

### 授課進度表 Teaching Schedule & Content

週次Week	內容 Subject/Topics	備註Remarks
1		
2		

3							
4							
5							
6							
7							
8							
9	期中考試週 Midterm Exam						
10							
11							
12							
13							
14							
15							
16							
17							
18	期末考試週 Final Exam						
	教學策略 Teaching Strategies						
	授 Lecture	Field Trip					
教學創新自評Teaching Self-Evaluation							
	Innovative Teaching)	3 ad (ODI )					
	向學習(PBL) 團體合作學習(TBL) 解決導向學	章省(SBL)					
翻轉教室 Flipped Classroom							
社會責任(Social Responsibility)							
	碊Community Practice                        產學合作 Industy-Academia Cooperati Transdisciplinary Projects)	OII					
l	PTransdisciplinary Teaching      跨院系教學Inter-collegiate Teaching	r					
	# Iransurscriptinary reaching	<b>S</b>					
■ 業師合授 Courses Co-taught with Industry Practitioners							
其它 othe:	r:						

	學期成績計算	草及多元	、評量方式	犬 Gradi	ng & As	sessmen	ts		
配分項目 Items	配分比例 Percentage						ssessme	nts	
		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 General Performance									
期中考成績 Midterm Exam									
期末考成績 Final Exam									
作業成績 Homework and/or Assignments									
其他 Miscellaneous ()									
	Grading & A		量方式和 ents Sup			ruction	ıs		
Textbook & Ot	教科書與參考 her References					-		ks, etc.)	
	教材網址(含線 ids & Teacher'								

其他補充說明(Supplemental instructions)