



教學計畫表 Syllabus

課程名稱(中文) Course Name in Chinese	資料庫管理			學年/學期 Academic Year/Semester	113-1
課程名稱(英文) Course Name in English	Database Management			授課教師 Instructor	李怡珍
科目代碼 Course Code	ACIM20060	系級 Department & Year	二	開課單位 Course-Offering Department	會計與資訊 管理國際學 士班
修別 Type	必	學分數/時數 Credit(s)/ Hour(s)		3/3	
先修課程 Prerequisite	None				
課程描述 Course Description	This course introduces the basic principles of database management, including design, application, and tool integration for data storage. We will cover database design methods like Entity-Relationship Models and Relational Database Design. The course also includes using SQL for data retrieval and manipulation, and discusses data concurrency, security, and infrastructure. Additionally, we will explore data warehousing, visualization, and analytics techniques. Students will develop problem-solving skills through group discussions, guest lectures, and practical exercises. Final group reports and presentations will allow students to demonstrate their learning and teamwork abilities.				

課程目標 Course Objectives	Databases are the foundation of information systems. In the field of data processing, database analysis and management are two crucial topics. This course will explain the principles of database design and demonstrate how database analysis can meet information needs, equipping students with basic skills in database system development, analysis, and management. The methods discussed are independent of any specific software packages, focusing on enabling students to plan and design database structures that meet requirements and standards.
系專業能力 Basic Learning Outcomes	A. 兼具會計資訊理論與實務操作及專業知識，具備跨領域解決問題能力 B. 具有良好之會計資訊理論基礎與分析能力，具備相關領域升學或就業之知識與能力 C. 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 D. 具有會計資訊、風險控管、電腦審計與稅務整合能力 E. 具備超然獨立並嚴格遵守會計資訊專業倫理的道德勇氣 F. 具備團隊合作、國際視野、創造性思考及良好的外語能力

課程目標與系專業能力 相關性 Correlation between Course Objectives and Basic Learning Outcomes	A	B	C	D	E	F				
	●	○	●	○	○	○				
圖示說明 Illustration：● 高度相關 Highly correlated ○ 中度相關 Moderately										
授 課 進 度 表 Teaching Schedule & Content										
週次 week	內 容 (Subject/Topics)						備註 Remarks			
1	Course Overview, Introduction, and Grouping									
2	Mid-Autumn Festival holiday									
3	Database Systems									
4	Database Model									
5	The Relational Database Model						Quiz (1)			
6	The Relational Database Model (Tutorial)									
7	Entity Relationship (ER) Modeling									
8	Entity Relationship (ER) Modeling (Tutorial)						Quiz (2)			
9	Midterm Exam									
10	Normalization of Database Tables									
11	Business Intelligence and Data Warehouses						Quiz (3)			
12	Database Connectivity and Web Technology									
13	Data and Visualization Analytics (Tutorial)									
14	Data and Visualization Analytics (Tutorial)						Quiz (4)			
15	Review and Discussion									
16	Final Exam (warm up)									
17	Final Exam									
18	Flexible adjustment/Course Review									
教 學 策 略 Teaching Strategies	1. Course lecture 2. Class discussion 3. Tutorial 4. Homework and chapter quizzes 5. Final exam									
學期成 績計算 及多元 評量方 式 Grading& assessme -nts	配分項目 Items	配分比例 Percentage	多元評量方式 assessments							
			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	20%	✓		✓			✓		
	期中考成績 Midterm Exam									
	期末考成績 Final Exam	40%	✓					✓		
	作業成績 Homework and/or Assignments	20%		✓	✓					
	其他 Miscellaneous (出席成績)	20%		✓						

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.)

- Selected chapters from Database Systems Design, Implementation, and Management (14th edition) by Coronel Morris, Cengage. 臺灣代理: 高立圖書, (02)2290-0318
- Fundamentals of Database Systems (7th edition) by Ramez Elmasri and Shamkant B. Navathe, Pearson Education. 臺灣代理: 高立圖書, (02) 2290-0318.

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.)

(無)