

管院碩士班(含碩專班)課程大綱

MS/MA Program Syllabus

系所 Department	會計與資訊科技學系 Accounting & Information Technology		必選修 compulsory/elective	必修 Compulsory
課程名稱 Course title	資料庫系統與管理 Database System and Management		學分數 Credit(s)	2
學年/學期 academic year/Semester	115-1 學 期 Fall semester 2026		上課地點 Classroom	創新大樓 261
講授教師 Instructor	吳徐哲		上課時間 Time	
教師辦公室&諮詢時間 Instructor office number & office hour	管理學院 2 館會資系 475 室 / Monday 9:00-13:00	教師聯絡資訊 Instructor Contact	Phone:34519 Email: acthwu@ccu.edu.tw	
助教 Teaching assistant		助教 聯絡資訊 TA contact	Email:	
先修課程 Pre-requisite courses				
課程目標 Course Objective	● Students are able to know database terminology 、SQL 、relation model ● Students can understand how normalization is used in the database design process ● Students can develop a prototype database system. ● To develop proficiencies in collecting, analyzing, and organizing data pertaining to accounting and management by implementing information technology			
AACSB 學習品質保證學習目標 Assurance of Learning (AOL) Learning goals				
*請先選填為主要或次要學習目標(Major or minor learning goal) ，再選擇對應之學習目標				
主要學習目標 Major learning goal 目標 3：問題解決能力 LG3:Problem Solving Skills		次要學習目標 Minor learning goal 目標 2：創新思考 LG2:Creative Thinking		次要學習目標 Minor learning goal 目標 4：全球視野 LG4:Global Perspectives

教材 Teaching materials	
網址 Course website	
教科書/參考書 Textbooks/Reference	書名: MySQL/MariaDB 資料庫設計與開發實務 作者：陳會安 出版社：碁峰 Concepts of Database Management 10th Edition 作者:Philip J. Pratt ， Lisa Friedrichsen ， Lisa Ruffolo ， Ellen Monk ， Joy L. Starks ， Mary Z. Last 華泰出版社代理

評量方式(請填百分比) Assessment	課堂參與 Participation	20%	個案討論 Case study	%
	作業 Homework	20%	期末 Project 專題	30%
	小考 Quiz	%	其他 1 other ()	%
	期中考 Midterm	30 %	其他 2 other ()	%
	期末考 Final	%	其他 3 other ()	%
	期中報告 Presentation	%	其他 4 other ()	%

其他說明 Other description	課程概述: Students are able to learn Database terminology 、 SQL 、 Relation Model 、 How normalization is used in the database design process 、 Develop a prototype database system
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課程規劃表 Course Schedule

項次	內容 Description	教材章節 Textbook	其他說明 Remark
1.	Course Introduction		

2.	Database System	CH1	
3.	The Relational Model 1 : QBE	CH2	
4.	The Relational Model 1 : Relational Algebra	CH2	
5.	Entity-Relationship Model (E-R Model) and Entity-Relationship Diagram (ERD)	CH3	
6.	Normalization	CH3	
7.	The Relational Model 2: SQL	Self-compiled Teaching Materials	
8.	SQL (2)& SQL (3) Practice	Self-compiled Teaching Materials	
9.	The Relational Model 3: SQL Advanced Topic	Self-compiled Teaching Materials	
10.	MySQL Foundation and Tools	CH4	
11.	Database Design Using MySQL	CH5	
12.	SQL Syntax Review	CH6	
13.	MySQL Table creation and integrity constraints	CH7	
14	Data Manipulation Language Using MySQL	CH8-CH9	
15.	Comprehensive Design Example Project Specification		
16.	Final-Project Report		