



## 教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	資料庫管理		學年/學期 Academic Year/Semester	114/2
課程名稱(英文) Course Name in English	Database Management			
科目代碼 Course Code	ACIM20060	系級 Department & Year	學二	開課單位 Course-Offering Department
				會計與資訊管理國際學士班
修別 Type	學程 Program	學分數/時間 Credit(s)/Hour(s)	3.0/3.0	
授課教師 Instructor	/林勁甫			
先修課程 Prerequisite				
課程描述 Course Description				
Introduce basic concepts about using database management systems. Including basic operation, data normalization, system design, and practical examples.				
課程目標 Course Objectives				
Databases are the foundation of any information system. In the field of data processing, database analysis and management are two crucial topics. This course will explain the design principles of databases and demonstrate how database analysis can be used to meet information needs, equipping students with basic analytical and management skills for developing database systems. The methods discussed are independent of any packaged software; the primary focus is on enabling students to understand how to plan and design database architectures that meet requirements and standards.				
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	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			○
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	course overview			
2	types of database management systems			
3	table and select basic			
4	insert, update, and delete			

5	table management: create, drop, alter	
6	select 2: join, subquery, temporary table	
7	er-model	
8	database normalization	
9	期中考試週 Midterm Exam	
10	defensive DB programming	
11	sample 1: chatting software	
12	sample2: shopping website (without payment)	
13	no-sql: mongo db	
14	no-sql: redis	
15	hybrid db system design	
16	distributed database system	
17	conclusion	
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 Industry-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:

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學期成績計算及多元評量方式 Grading & Assessments

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(含出缺席) General Performance (Attendance Record)	40%	✓							
期中考成績 Midterm Exam	30%	✓	✓						
期末考成績 Final Exam	30%	✓	✓						
作業成績 Homework and/or Assignments									
其他 Miscellaneous (_____)									

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.)

其他補充說明 (Supplemental instructions)