



## 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	DMSI20120	系級 Department & Year	學二	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	/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.					
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	sample 2: 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:

---

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)