

# 102-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	資料庫系統	Serial No. / ID	0906 / IF13027
Dept.	資訊工程學系	School System / Class	大學日間部3年2班
Lecturer	邱瑞山	Full or Part-time	專任
Required / Credit	Required / 3	Graduate Class	No
Time / Place	(二)567 / H707	Language	Chinese

Introduction
The goal of this course is to provide the students with the basic concepts of database systems. The main topics include entity-relationship data model, relational data model, relational algebra, views, query formulation with SQL, normalization, logical and physical database design.

Outline
Databases and Database Users Database System Concepts and Architecture Data Model Using the Entity-Relationship (ER) Model The Enhanced Entity-Relationship (EER) Model The Relational Data Model and Relational Database Constraints Relational Database Design by ER- and EER-to-Relational Mapping The Relational Algebra SQL-99: Schema Definition, Constraints, Queries, and Views Introduction to SQL Programming Techniques Functional Dependencies and Normalization for Relational Databases Relational Database Design Algorithms and Further Dependencies

Prerequisite
C++ Programming Data Structures