102-1 Preliminary Syllabus, Da-Yeh Univ

Information				
Title	資料庫系統	Serial No. / ID	0902 / IFI3027	
Dept.	資訊工程學系	School System / Class	大學日間部3年1班	
Lecturer	邱瑞山	Full or Part-time	專任	
Required / Credit	Required / 3	Graduate Class	No	
Time / Place	(五)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 Data base 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		