99-1 Preliminary Syllabus, Da-Yeh Univ

Information

Title		Serial No. / ID	0776 / IFI3027
Dept.		School System / Class	3 2
Lecturer		Full or Part-time	
Required / Credit	Required / 3	Graduate Class	No
Time / Place	( )678 / 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