97-1 Preliminary Syllabus, Da-Yeh Univ

Information

Title		Serial No. / ID	0738 / IFI3027
Dept.		School System / Class	3　2
Lecturer		Full or Part-time	
Required / Credit	Required / 3	Graduate Class	NO
Time / Place	(　)34　/ H727 (　)6　/ H727	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