

Syllabus

Advanced Database

Course Name	Course type (credit/hours)		전선(3/3)		Course code	
	Target students Division/major/grade		/		Opening semester	
	Class time and classroom		화F(팔407) 목E(팔407)(팔407)			
Reference to this course	Related basic courses					
	Recommended concurrent courses					
	Related advanced courses					
Instructor	Name (title/division)		정태선 (부교수/정보통신대학 정보및컴퓨터)			
	Office Room Number		Office phone Number	1828	e-mail	tschung@ajou.ac.kr
	Office hours		Homepage address			
Teaching Assistant	Name (title/division)					
	Office Room Number		Office phone Number		e-mail	

1. Introduction

This course provides students with comprehensive introduction to the recent research topics in database areas. We will cover the object-oriented database models, object-relational database models, XML data model, multimedia database models, and so on. The goal of the course is to give the student a basic understanding of recent research topics in database systems and applications.

*Prerequisites: database (undergraduate)

2. Course Objectives

3. Class types and activities

4. Teaching Method

This course is composed of professor's lectures and student's presentation.

5. Knowledge and ability required for taking this course

6. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance			
midterm exam			
final exam			
quiz			
presentation			
discussion			
homework			
etc			

Mid-term exam (20%), Final exam (20%), Attendance (10%), Report(10%) Seminar(20%)
Project(20%)

7. Textbooks

Main/Sub	Title	Writer	Publisher	Publication year
주교재	Database System Concepts	Abraham Silberschatz et. al.		

8. Lecture Schedule

Week	Lecture contents	Lesson type	Remark
1	Introduction		
2	Relational Databases (1)		
3	Relational Databases (2)		
4	Relational Databases (3)		
5	Object-Oriented Databases (1)		
6	Object-Oriented Databases (2)		
7	Object-Relational Databases		
8	Mid-term exam		
9	XML Databases (1)		
10	XML Databases (2)		
11	Flash Databases (1)		
12	Flash Databases (2)		
13	Students Seminars		
14	Students Seminars		
15	Students Seminars		
16	Final exam		

9. Others