

Syllabus

Advanced Database

Prof.	Name	Tae-Sun Chung	Sub.	Student	Department	Computer Engineering
	Position	Professor			Major	Computer Engineering
	Group	Software and Computer Engineering				

1. Course Description

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. Teaching Methods

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

3. Evaluation

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

4. TextBooks

가. 주교재 : Silberschatz et al., "Database system concepts", McGraw Hill
나. 부교재 : Hector Garcia-Molina et al., "Database Systems: The Complete Book", Prentice Hall

5. 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		

6. Others

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