

CS 1765 DB Management Systems

Fall 2009

Course Description

The objective of this course is to provide an in-depth knowledge of database systems. Thus the emphasis is on how to model data and use available database management systems (DBMS) effectively. Topics cover relational model and languages, DB analysis and design, performance tuning, and DBMS in web.

Instructor :

Dr. Seunghyun Im

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Office hours: 1:00-1:50 M,W,F / 3:00~3:50 R / 11:00-12:50 R

Web: www.pitt.edu/~sim/db.html

Textbook

Database Systems: A practical approach to design, implementation, and management (5th edition) by Thomas Connolly and Carolyn Begg. Addison Wesley (ISBN 0-321-52306-7)

Prerequisite

Junior and senior standing

Grade

Exam 1	20%
Exam 2	20%
Exam 3	20%
Programming Assignments/Homework	40%

Grading will be assigned as following:

A: 90+

B: 80+

C: 70+

D: 60+

F: below 60

* Students should attend all classes.

* There will be no make-up tests.

* Programming assignments and homework must be turned in by the due date.

Schedule

Week	Topic
1	Introduction
2	DB Environment
3	Relational Model
4	DML
5	DDL
6	DB design
7	DB design
8	DB and Web

9	Transaction Mgt
10	Transaction Mgt
11	Optimization
12	Oracle
13	Oracle
14	Oracle
15	Research Presentation

Disabilities

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the Office of Disability Services (ODS), G04 Student Union Building, (814) 269-7062 as early as possible in the term. ODS will verify your disability and determine reasonable accommodations for this course.

Plagiarism

Any form of plagiarism which includes copying or imitating the language, ideas, thoughts, or work of another person and passing off the same as one's own work discovered by the instructor will result in a zero for the first offence and an F for the course for any subsequent offense.