

Syllabus

Search

CSI6541-01 (1ST SEMESTER, 2016)



Created Date	2016-01-20 12:50:28	Last-Modified	2016-03-02 15:56:25
Course Title	DATABASE SYSTEM	Credit	3
Location	EngHA663/EngHB040	Time	Mon6,7/Tue3

Instructor	Park Sang Hyun	Department	공과대학 컴퓨터과학과
Office	Engineering 3rd Building, C520	Telephone	02-2123-5714
e-mail & Office Hour	sanghyun@yonsei.ac.kr, Office hour will be announced later.		

Target Students	Graduate students in majoring computer science
Course Description & Goals	The goal of this course is to give a complete purview of query processing and data storage mechanisms of typical database management systems. To attain this goal, this course gives detailed discussion on storage structure, indexing, query processing, transaction management and recovery system and etc.
Prerequisite	Introductory or preliminary course on database systems; the students are required to be familiar with general database terminologies and database query language (SQL)
Course Requirements	This course is lecture-based. There will be four exams; the students must take all these exams.
Grading Policy	Exam 1: 23% Exam 2: 23% Exam 3: 23% Exam 4: 23% Attendance: 8%
Texts & References	A. Silberschatz, Henry F. Korth, S. Sudarshan, Database System Concepts, 6th Edition, McGraw Hill, 2011
Instructor's Profile	Sanghyun Park Professor Department of Computer Science, Yonsei University http://cs.yonsei.ac.kr/~sanghyun
TA's Name & Contact Information	This information will be announced later.
Syllabus in English	.

Week	Period	Weekly Topic & Contents	Course Material Range & Assignments	Reference
1	2016-03-02 2016-03-08	Introduction to the course, Introduction to DBMS		(3.2) Spring semester classes begin (3.4 - 3.8) Course add and drop period

2	2016-03-09 2016-03-15	Relational Model		
3	2016-03-16 2016-03-22	Structured Query Language		
4	2016-03-23 2016-03-29	Storage Structure	Exam 1	
5	2016-03-30 2016-04-05	Indexing and Hashing (1)		
6	2016-04-06 2016-04-12	Indexing and Hashing (2)		(4.4 - 4.6) Course withdrawal period, (4.8) First third of the semester ends
7	2016-04-13 2016-04-19	Query Processing		(4.18 - 4.22) Midterm examinations
8	2016-04-20 2016-04-26	No Class	Exam 2	(4.18 - 4.22) Midterm examinations
9	2016-04-27 2016-05-03	Query Optimization		
10	2016-05-04 2016-05-10	Transaction Management		(5.5)Children`s Day
11	2016-05-11 2016-05-17	Concurrency Control (1)	Exam 3	(5.14) foundation day Buddha`s Birthday, (5.16) Two thirds of the semester ends
12	2016-05-18 2016-05-24	Concurrency Control (2)		
13	2016-05-25 2016-05-31	Recovery System		
14	2016-06-01 2016-06-07	Special Topic 1 on New Database Technology		(6.6) Memorial Day
15	2016-06-08 2016-06-14	Special Topic 2 on New Database Technology		(6.8 - 6.21) Self-Study and Final examinations Period
16	2016-06-15 2016-06-21	No Class	Exam 4	(6.8 - 6.21) Self-Study and Final examinations Period

* Changes in Management of Academic Semester

During the midterm examinations (2022.10.20. - 10.26.) and final examinations (2022.12.15. - 12.21.) period, classes or self-study should be continued unless there is an exam scheduled during the week.

* According to the University regulation section 57-2, students with disabilities can request special support related to attendance, lectures, assignments, or exams by contacting the course professor at the beginning of semester. Upon request, students can receive such support from the course professor or from the Center for Students with Disabilities(OSD). The following are examples of types of support available in the lectures, assignments, and exams:
(However, actual support may vary depending on the course.)

[Lecture]

- Visual Impairment: alternative, braille, enlarged reading materials, note-taker
- Physical Impairment: alternative reading materials, access to classroom, note-taker, assigned seat
- Hearing Impairment: note-taker/stenographer, recording lecture
- Intellectual Disability/Autism: note-taker, study mentor

[Assignments and Exam]

- Visual, Physical, Hearing Impairment: extra days for submission, alternative type of assignment, extended exam time, alternative type of exam, arranging separate exam room, and proctors, note-taker
- Intellectual Disability/Autism: personalized assignments, alternative type of evaluation

